

1) UV-VIS spectrophotometer. With Hardware

Qty 10	Cod 02-10-00001	
	A: Specification	
	190-1100 nm	Wave length range
	2 nm	Spectral band
	Readable to 0.1 nm	Wave length display
	0.1 nm increments (1nm increments for wave length slewing)	Wave length setting
	+ 0.3 nm (Automatic wave length correction)	Wave length accuracy
	-	
	+ 0.1 nm	Wave length repeatability
	-	
	About 6000 nm / min	Wave length slew rate
	About 3200 nm / min . to about 160nm / min	Wave length speed scanning
	Automatic selection of 2,1, 0.5,0.2,0.1 nm	Date bunching interval
	295 ~ 364 nm (340 – 8 nm)	Lamp interchange wave length
	Less than 0.05 % (at 220 nm and 340 nm)	Stray light
	Double beam optics	Photo metric system
	Absor bance : 0.5 ~ 3.999 Abs Trans mittance : 0.0- 300 %	Photo metric range
	+ 0.004 Abs . at 1 Abs (Tested with NIST 930 D - filter) + 0.002 Abs . at 0.5 Abs	Photo metric Accuracy
	+ 0.002 Abs . at 1 Abs + 0.001 Abs . at 0.5 Abs	Photo metric repraducibillity
	Less than + 0.001 Abs / hour -	Baseline stability
	+ 0.002 Abs -	Baseline flatness
	Auto matic with computer memory in two stages of coarse and fine	Baseline correction
	50 w halogen lamp (2000 hrs life) and deterium lamp	Light source
	Aberration corrected concave blazed hologrephic grating	Mono chromator
	Silicon photo diode	Detector
	100,120,220,240,VAC,50/60 Hz,160 VA	Power requirements
	B) Accessories	
	1-color plotter 2-screen copy printer 3-Recorder	

2- In Fra- Red spectrophotometer (Fourier Transform infrared spectrophotometer)

Cod 02-10-00002		Qty 5
1st) Specifications *interferometer Optical system Beam splitter Light source Detector S / N Wave Number range Resolution Mirror speed Data sampling Sample compartment Data processing Function *optional programs Validation programs Operation conditions Required power source	Michelson type with 30 degree incidence angle dynamic Alignment . sealed and desiccated Single beam optics Germanium coated KBr plate Ceramic Temperature controlled high sensitivity detector (DLGS Detector) # Above 2600 :1 (KRS-5plate ,4cm ⁻¹ , for 4 seconds , 2200 cm ⁻¹ P- P) The formula determining the 1 minute S/N from the 4 seconds S/N accordance with theory is as follows : (1minute S/N) = (4 seconds S/N)X3.87 using this formula gives of 3200x3.87 =12384 # Above 3200:1(KBr plate 4 cm ⁻¹ , for 4 seconds, around 2200 cm ⁻¹) (1 minute S/N obtained by above formula is 12390:1) standard in Europe 7800 cm ⁻¹ ~350 cm ⁻¹ 0.5,1,2,4.8,16cm ⁻¹ / 1,2,4,8,16 cm ⁻¹ 3 steps : 2.8 mm/sec , 5mm /sec , 9mm /sec by He- Ne 7 laser w200 x D230 mm x H 170mm Arithmetic calculation , peak pick, spectrum Subtraction,smoothing , baseline correction ,data cut ,data correction , normalize , kubelka-munk conversion, kramers – koring analysis , ATR correction,fourier Transform , derivatives , transmittance – absorbance conversion , peak area integration , peak ratio calculation ,emission correction , deconvolution , quantitation , multilinear regression quantitation ,spectrum search , JCAMP conversion ,ASCII conversion , logarithmic conversion,wave length wave number conversion , shift ,along x axis PLS quantitation , curve fitting , mapping program,macroprogram(BASIC) Provided as standard . The polystyrene auto-shutter for use in full automatic mode is provided as an option Temperature : 15C ⁰ to 40 C ⁰ , Humidity below 70 % AC 100V/120V /220V /230V/240V,50/60Hz,160VA	

B)Accessories 1) Screen copy printer 2) Recorder 3) Automatic sample changer for transmission measurement (measures 18 samples using KBr pellets method, Or Nujo1 method)		
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3)ION chromatography system(comprehensive anion analysis and similtian eous determination of mono valent and divalent cations in many matrices) with its columns

Cod 02-10-00003	Qty. 2
Consist of :- *Comprises pump *Detector (10N chromatography) * Separation center and novel suppresor (ion chromatography separation center- tow channels) *separation center and novel suppresor (IONchromatography separation center – tow channels) *Auto sampeler for up 128 samples *the evalution system allows easy and dependable integration and storage of chromatograms on apc basis	
1st) Accessories Dialysis unit for ION chromatography analysis of difficult samples Electro chemical detector for ION chromatography and HPLC 20 Different type of column recorder	

4) High Performance Liquid Chromatograph (HPLC)

Cod 02-10-00004		QTY 10
LC Micro – volume plunger solvent delivery unit for semi – micro LC UV-Vis detector 190-600 nm / 900 nm System controller Refractiv index dectertor Dual plunger solvent delivery unit for routine use Photodiode array detector 190-800 nm Auto – injector Spector fluor metric detector Colum oven from (ambient + 10 c ⁰) – 80 c ⁰ From (ambient – 10 c ⁰)- 80 c ⁰ Colum oven from (ambient – 15 c ⁰)- 80 c ⁰ Reservoir Tray Conductivity detector On-line degasser with 2 or 4 channel Low pressure gradient unit Series valves - Reservoir selection - Flow channel selection - Column Switching - Reservoir selection with rinsing pump Electro chemical detector Work station system Auto sampler		
B) Accessories :-		
1- All its accessories and columns		
2- Recorder		

5- Capillary Gas Chromatograph

QTY 4		Cod 02-10-00005
	280wx 280 hx184Dmm , 14.4 liters (Ambient +4C) ~ 450 C (1C Increment Setting) - 90C ~ 450 C with optional cryogenic work attachment - + 1% of the set temp in kelvin unit (temp. calibration in 0.01 C increments) Less than 2 C along a200mm dia.circle 0.01C /C Double protection one freely set below 450C and the other fixed at 470C 5 (cooling step is needed)~ steps	Column oven :-1- inner volume 2- temperature range 3- Temperature accuracy 4-Temperature non uniformity 5-Temperature variation coefficient 6-over heat protection 7-number 8- programming rate setting : n 1000/min in /c/min-steps
	Controlled injector units are needed ~450 C (1C increment setting) split /splitless injection unit as standard .direct injection unit . on column/ PTV/ programmable temperature vaporizer) injection unit Double protection ..one freely set below 450C and the other fixed at 470 C	Injection port : 1-three independently lemp. 2-Temperature range 3-injection port unit 4-over heat protection
	One temperature controlled heated zone ,besides those for injection ports and detectors+ four temperatures controlled heated zones	Auxiliary heated zones
		Flow control unit : 1-Advanced flow controller (AFC) *Split /Split Less Mod *Direct injection mode High pressure high-flow rate AFC 2-Manual flow controller (CFC) *Equipped with aprimary pressure controller and aseconday pressure controller 3-Advanced pressure controller (APC)
		Detector : 1-FID detector 2-TCD detector 3-ECD detector 4-FPD detector 5- FTD or NPD or TSD Detector
	Temp . itimes , pressures , and ather parameters	Display :- 1- Baclite LCD , 16 Characters 2 Lines 2- Display items :-
	100,115,220,230 or 240 VAC,50/60Hz 1800 VA	Power requirements :

		B- Accessories 1- Work station system with Recorder (PC work station for G.C) 2- Pyrolyzer 3- Paked column inert inorganic gas analysis system 4- Auto injector and auto Sampler 5- Head space sampler 6- 20 different Types of columns
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6) Flame photo meter , Digital Model

Cod 02-10-00006		QYT 6
A) Specifications * Limit of Detection	Na = equal or less than 0.2 PPM K = equal or less than 0.2 PPM Li = equal or less than 0.25 PPM Ca = equal or less than 15 PPM Ba = equal or less than 30 PPM	
Reproducibility	< 1% coefficient of variation for 20 consecutiv sample of 10 PPM Na set to read 50.0	
Linearity	Better than 2% when concentration of 3 ppm Na and K and 5 ppm Li are set to read 100	
Specificity	Interference from Na , K , Li equal in concentration to test element will be less than 0.5 %	
Recorder out put	Nominal 1V for areading of 100	
Services	Fue propane , butane , natural gas or L.P.G Air Moisture and oil free 6 liters / minute at 97 kpa 14 psi	
Power requirements	90 – 125 Vor 190 – 250 V,50/60 Hz , 13 W	
B) Accessories and spare parts 1- Air copressor , oil free 2- Pure air fillter 3- Minor spares Kit 4- Calcium filter 5- Barium filter 6- Lithium filter 7- Natural gas regulater 8- Water separater 9- Dust cover 10- Cleaning solution		
C) Reagents – Industrial / standards :	K 1000 ppm ,Li 1000 ppm , Ba 3000 ppm , Na 1000 ppm , Ca 1000 ppm	
D) Flame testing 1- Blowpipe bent plated brass , approximately 200 mm long 2- Charcol blocks : For blowpipe analysis . Approximately 100 X 25 X 25 mm 3- Glasses 75X50 mm , cobalt blue , for detection of patassium in the presence of sodium etc 4- Rods silica plain , 75 mm long X 1mm dia meter 5- Wire platinum length 38 mm ,dia meter 0.376 mm fused into glass handle with 75 mm long		

7) Potentiometric Titrator

Cod 02-10-00007		QTY 6
Compact titrator for dynamic and monotonic titrations with automatic equivalence point determination as well as end point titration . and PK value determinations with electrodes , titration stand , magnetic stirrer , printer , sample changer		
B) Accessories :- All its Accessories		

8) Karl – Fischer Titrator for water Determination : (Volumetric)

Cod 02-10-00008		QTY. 6
1- Compact KF titrator for fast and accurate water determinations .Titration stop either by means of delay time or by drift criterion . software – controlled polarizer for bi voltametry and bi – amperometry Backlit LCD screen . 2- Titration stand with stirrer and pump , compact titration stand with magnetic stirrer and pump for addition of solvents and for siphoning of titration vessel content 3- Printer 4- KF Drying oven		
B) Accessories :- All its Accessories		

9)PH- Meter . or PH/Ion –Meter

Cod 02-10-00009		Qty 20
A) Specifications Range	-1.999 to + 19.999 PH -1999.9m V to +1999.9 mv 0.001to 199999 ppm - 9.9 to 120C	
Resolution	0. PH and 0.001 PH 0.1 Mv 0. /0.01 and 0.1 ppm 0.1 C	
Accuracy	- + 0.002 PH - + 0.1mv (+799.9), + 0.2mv - + 0.5% (fs) ppm - + 0.5 C	
Temp.compen staion	Auto or manual from –9.9 to 120 C – All meters	
Calibration	1 or 2 point calibration with 6 memorised PH buffers and 5 memonsed Ion buffers values	
Calibration storage GLP	EPROM storge of calibration data and data – All meters	
Power supply	50-60H ₂ –12 volt power adaptor supplied	
Out put	Rs232 Serial interface	
Memory	8000 samples	

B) Accessories

1) BNC refillable glass bodied PH electrode		
2) RS 232 Comms lead and software	(9 pin female to 9 pin male)	
3) RS 232 comms lead and soft ware	(25 pin female to 25 pin male)	

10- Chloride Meters (Clinical and Industrial models)

Cod 02-10-00010		QTY 4
1- Range	10 to 999 mg / l cl	
2- Reproducibility	- + 3 mg / liter	
3- Linearity	- + 3 mg / liter or + 1% (which is greater) over the total range	
4- Sample volum ,ml	500	
5- Power Supply	110 – 120 v and 230 v,50 –60 Hz 12w	
B) Accessories		
1- 200 mg /L standard		
2- silver anodes pack of 3		
3- silver electrodes ,one cathode and two electrodes		
4- vial of electrode polish		
5- Acid buffer 500 ml		
6- Gelatin ,30ml		

7- Stirrer bars , pack of 10		
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11- Conductivity Meter

Cod 02-10-00011		QTY 4
1- Display ranges (with cell k=1.0 MS 0- 199.9 0-19.9 MS 0- 1999 0- 199.9 C ⁰ - 50 TO + 150.0C ⁰	4 digit LCD	
2- Temperature compensation , c ⁰	Automatic or manual (0-70)	
3- Freez display option	Yes	
4- Temp . coefficient	0 to +5 .00 (x 0.1) % / C ⁰	
5- Cell constant	0.05 – 19.99	
6- Accuracy (electrical)	< 0.5 %	
7-Out put	Rs 232	
8- Temp . probe	TPA 100 platinum resistance . user correction up to + 2.0 c ⁰	
9- Electrical supply	110- 230 V,50 – 60 HZ , 6 w max	
B – Accessories	All its Accessories	

12- Melting Point apparatus with CCTV Cmer a kit

Cod 02-10-00012		QTY 6
1- Temprature range c ⁰	Not less than 400 c	
2- Resolution c	0.1	
3- Measuring accuracy	Up to 100c +- 0.3 c Up to 250c +- 0.5c Up to 400c +- 0.8c	
4- heating ramp rates selectable	0.1/0.2/0.5/1/2/3/5/10/20 c / min	
5- Heating times 50c to 350 c	+ min approx	
6-Cooling time 350 c to 50c	10 min approx	
7- Data out put	Rs 232 c	
8- power supply	220 v , 50-60Hz , 200 W	

13-Muffle Furnaces

Cod 02-10-00013		QTY 10
Max temp. c	1600 c	
Volume liters	15 L	
Electrical supply	415 v ,50 – 60 Hz 3 phase	

14- Oven

Cod 02-10-00014		QTY 15
Range	50-500 C	
Capacity	30 liter	
Features s.s interior and electronic control		
Large area grid shelver , control by direct reading thermostate ,the outer shells steel and the inner is Aluminium		

15- Portable Digital Thermometer

A) Specification		QTY
Range - 50 c to + 150 c water resistant probe		10
Display control with battery , with colloidal graphite pack		

16- Thermometer mercury in glass

Cod 02-10-00016		QTY 10 of each
Range 10- 100 c , 10-200 c , 10-300c ,10-400c		

17– Maximum Thermometer

Cod 02-10-00017		QTY 30
* 1T resemble the ordinary clinical thermometer but its temp . is more extended it starts from (70 – 150) c		
* 1T resist high temp . and breaking during sterilization and shaking during entering the autoclave		
* The maximum temp . that is reached remain stable without shaking		
* The numbers marked on the thermometer must be stable to the high temp		
* The level of mercury must be continuous without any cutting		

18) Hydro meter Nafloc – Pattern

Cod 02-10-00018		QTY 10
For determination of dissolved solid in boiler and similar water according to the nafloc method with polished metal bulb and scale calibration 0.998 to 1.01 in 0.0002 . subdivision maximum diameter 41 mm , length 280 mm		

19) Maximum and Minimum thermometer

Cod 02-10-00019		QTY 10
Wall mounting mercury in – glass thermometer , with two markers , mounted on dual scale – 30 to 150 C x 1 C and 20 to 120 X 2 F		
Designed for horizontal mounting and reset by swivelling the frame to the vertical position . overall length 235 mm , in plastic frame with instruction		

20) Membrane

Cod 02-10-00020		QTY 1000
* Special type for microbiological		
* Pore size 0.45 m		
* Cellulose nitrate with black ground		

21) Polarimeter : (Automatic precision polarimeter with optical null principle by rotation of the analyzer automatic gain control)

Cod 02-10-00021		QTY 10
* Radiation : HG-High-Pressure lamp ,Na spectral lamp		
* Spectral lines :Selectable from instrument keypad :	Na 589nm , Hg 578nm , Hg 546nm , Hg 436nm , Hg 365nm , four spare position for additional optional filters	
* Apertures :Selectable apertures for standard cells and microcells		
* Detector : Photo multiplier 1P 28 A		
* Polarizer and analyzer : UV-transmitting calcite Glan prisms		
*Rotary range:	$- + 85^{\circ}$	
*Balancing speed :	$1.3^{\circ}/s$ at 50 Hz , $1.5^{\circ}/s$ at 60 Hz	
* Accuracy	$- + 0.002^{\circ}$ for rotation 1° , $\pm 0.2\%$ for rotations $> 1^{\circ}$	
*Reproducibility	Better than 0.002 (for zero and rotational reading)	
*internal angular resolution	1×10^{-40}	
* integration times	0.1s, 0.2s, 0.5s, 1s, 5s, 10s, 20s, and 100s.	
* Autozero setting	Electronically from instrument keypad at any desired position in the rotatory range	
* User interaction	* User interaction : menu –driven from integrated touch keys (multilingual)	
* display	* display : vacuum fluorescence display , two lines with 20 characters each.	
* format of results	* format of results : selectable from instrument keypad , any rotation , specific rotation , molar rotation international sugar scale , as well as user –defined factor and offset	
* Printer output	* Printer output : standard parallel printer port (centronics port)	
* data input	* data input : input port for intermec 9720 barcode reader and /or standard PC/AT keyboard	
* communications	* communications : RS-232C serial interface , selectable baud rate and communication parameters ranges , output voltage 0 to 10mv , 100 mv and /v .	

Aralog output :	Aralog output : digital –to – analog converion of angular rotation for the connection of chartrecordsrecording ranges – +50 , +-5 ,+-0.05 , resolution 0.1 % of range wideh, cyelic repeatability in all ranges + 50, + 5 , + 0.05 , resolution 0.1 % of range width , cycl ic repeataability in all	
* External “Ready”:	Relay contact closure (normally open) ,signal floating maximim load 110v ,0.3 A A C, actvated by print signal ,selectable delay and duration	
* External autozero :	External activation of autozero function , TTL siignal , low active,or contact closure , duration 100 ms miniumum	
* temp sensor :	PT- 100 temp. sensor for sample cells , temp .range – 23C to + 198C	
*Power supply :	90 to 132 VAC or 190 to 264VAC , 50+-0.5 Hz or 60+-0.5Hz ,200 VA	
B) Accessones		
1) recorder		
2) printer		

22- Coulter Counter (Partical analysis system)

Cod 02-10-00022		QTY 2
* Direct read out of paricle size		
* Total count of large partical with repact of size given		
* Printer woeking range with respect partical for 2 – 25		
* Thrie shdel :	0- 99.9 0 division	
*Timer range	10ms –655sec	

23) Viscometer

Cod 02-10-00023		QTY 5
Stirring motor and paddle Turntable control Boost heaters variable autogransformer		
B) Accessories		
contoct thermometer Colling Coil Cover For Turn table Stope Watch	10- 100C	

24) Dissolved Oxygen meter

Cod 02-10-00024		QTY 24
D02 range	0 to 1.99 %	
Resolution	1 %	
Accuracy	+ - 2% 10C Of calibration temp	
Temp.	- 10 to + 60 C	
Resolution	0.1 C	
Accuracy	+ - 0.5 C	

25) Stoinless steel filtration

Cod 02-10-00025		Qty 10
With lid funnel capacity 500 ml base clamp, filter diameter 50 mm and mainfold PTFE ,Gasket Silicon sealing ring in /id		

26) Masses for General

Cod 02-10-00026		Qty 2 set
* General purpose with aluminium fraction		
* Range of mass	0.1 mg .. 100gm	
* In wooden box		

27) Tape Ahesive Indicator 3M :-

Auto clve color change sterilization tape with steam sensitive ink in 55m rolls color changes from white to dark brown, on 20 min . exposure at 121 C	250 rols
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28) Atomic Absorption spectrophotometers

Cod 02-10-00028		QTY 4
* optics	Double beam (chopper mirror)	
* Monochromator :	abration corrected czerny- turner monochmator Halographic grating (1.600 lines /mm)	
* wave length range	190-900 nm auto mated wavelength selection	
* slit	0.2 nm , 0.7nm manual setting	
* Backgrownd correction	D2 - Lamp method	
* Lamp . Turret	2-Lamps simultaneously lit (manual turret)	
* Lamp mode	Emission , non- BGC, BGC-D2	
* Frequancy	100 H z	
* Nebulizer	Nebulizer integrated impact bead and jackt tip pt/ ir capillary	
* champer	Poly propylene	
* Burner	Fixed back / forward postion and burner hight (simply switching of Air/ C2H2 and N2O /C2H2 burner) Titanium 10 Cm slot barner (optional high temp . burner)	
* Gas control	Manual setting of flow rate Automatic Air/ N2O switching system	
* safty :	gas pressure monitoring to prevent flashback Automatic flame monitoring Safty inter lock for misuse of burner Automatic flame extinguish when power failure	
* Ignition :	Push ignition button	
* soft ware : soft ware based on MS- Windows TM		
* power supply :	Ac 220 v,230v,50/60Hz, 300Va	
* Ambient temp . and humidity range	Temp. 10~35 C ⁰ Humidity 45 ~80% (less than 70% when temp. is greater then 30C)	
*Standard accessories .	Burner Head of 10 cm slot Nebulizer assembly. Deuterium Lamp drain tube .teflon tube for sample suction .Hose assembly for C2H2 ,hose band , RS-232C connection Assemly for air . hose assembly TO C2 H2 , HOSE BAND , RS – 232 connection . cable (9P-9P) Ac cable for 220,230v	
B) Other Accessories		
auto sampler recorder . Hydride vapor Generator Mercury vaporizer unit High temp Burner head All perdic HCL with its st solution Drain separator Compressed gas Regulator for C2H2 Compressed gas regulator for N2O		

29) Pyrogen tester

Cod 02-10-00029	Qty 6
Specifications	
Digital temp .monitor for pyrogen test , with prob type rectal temp of rabbit or another animal with PC system	

30) Analytical Balance:

Cod 02-10-00030		QTY 30
* Capacity(g)	400	
* Readability (g)	0.0001	
* Weighing mods	g,lb,oz,ib,oz,ct,dwt,tables(3),ozt,gn,mommes	
	0.007/0.001	
*Repeatability (st.dev)(g)	0.01 / 0.002	
linearity (g) (+) :	full capacity by subtraction	
*Tar rang	2.5 Sec	
*Stablization line	10ppm /C ⁰	
*sensitivity drift(10-30C)	50 ⁰ to 104 F ⁰ /10 ⁰ to 50C ⁰	
* Opreating temp	External Digital calibration	
*Calibration	LCD (1.5 high)	
* Display (cm)	Ac adapter ; 100,120,220,240, Vac,50/60 Hz	
* Power supply	12.2 dia	
* Platform size (cm)		
B) Accessories		
All needed accessories		

31) Electronic Balance

Cod 02-10-00031		Qty 20
* Capacity (g)	4000	
* Reacdability (g)	0.1	
* Weighing modes	G,ib,oz,ibioz,ct,dwt,tales(3),ozt,gn,mo mmes	
* Repeatability (st.dev)(g)	0.07	
	0.1	
* Linearity (g) +		
* Tar range	Full capacity by subtraction	
* stablization line	2.5 sec	
* sensitvity drift (10-30C)	10ppm/C	
* Operating temp	50 ⁰ to 104 F ⁰ /10 ⁰ to 50 C ⁰	
* Calibration	External digital calibration	
* Display (cm)	LCD (1.5 high)	
* Power supply	AC adopter ;100,120,220,240,Vac,50/60Hz	
* Plat form size (cm)	12.2dia	

32 – Automatic Refractometer

Cod 02-10-00032		QYT 5
Scales :	Refractive index (R1) ,Temp. corrected R1, % Sugar (brix) temp corrected brix , user programmable	5
Readability :	0.00001 R1 / 0.01% Brix	

Accuracy :	$\pm$ 0.00005 R1 1.32 – 1.45 R1 $\pm$ 0.0001 R1 1.45 – 1.70 R1 $\pm$ 0.05 % Brix 0% - 65 % Brix $\pm$ 0.1 % Brix 65 % - 100 % Brix	
Wave length :	589 nm	
Read out time :	Operator pre – set 3-999 sec , continuous mode – less than 3 sec .	
Display :	Alphanumeric , 2 lines of 24 characters on back – lit LCD panel. Selected scale , sample type and temp	
Prism material :	Synthetic sapphire	
Temp – range display and accuracy :	5c to 70c , display , continuous to $\pm$ 0.1 c	
Temp control :	Thermostatic control by circulating fluid	
Controls	Zero , print , enter , menu / scroll , 12 button keypad for programming	
Inputs / outputs	2 x RS232 1x Remote	
Power supply :	86 to 256 v ac , 47 to 63 Hz nominal . less than 10 w	
Speckle Features :	Water proof base and display	

33) Attest No 1262 , 1262 P

Cod 02-10-00033	QTY. 1000
*Biological indicator for steam sterilization monitoring frequency *Resistance data for attest for steam sterilization 121 C more time 15 min 132 C more time 3 min	

34) disintegration Testers

Cod 02-10-00034	Qty 10
*Four test station units *Independent motor controlled by separate electronic timers thus allowing each test solution to be operated independently from the others *each individual test soln has a motor drive unit fitted with a stroke 55 mm (+- 1mm)the drive of each unit is generated by a motor operating at fixed speed of 30 strokes per minute (+-1 stroke per minute) *Each test station has its own touch . sensitive keyboard *Each test station provided with an individual .LCD – display An alarm can be pre-set to sound at the end of the test. *the basket rack assembly is automatically removed from the test media. *the disintegration basket rack assembly can be removed by a quick release coupling within seconds. *A Reset must be available to allowing the total test ran time for the previous test to be recalled if required. *the Plexiglas water bath is equipped with a removable cover to facilitate easy cleaning . *The temp of the warming soln. Is controlled by means of a proportionally regulated circulation thermostat having an accuracy of $\pm 0.5^{\circ}\text{C}$ *Immersion thermometer for the monitoring the temp of warming soln	

35 – Automatic Tablet Friability / Abrasion tester system

Cod 02-10-00035	QTY 10
- Automatic loading /removing of samples unit - Automatic calculation and documentation of the test result - Control panel with Digital LCD – display - Analytical balance connected to the system - Out –put RS 232 interface to apc system	

36- automatic Dissolution Tester For tablet with six station

Cod 02-10-00036	QTY 10
*Automatic calculation and documentation of the tests result *Control panel with digital LCD – display for each station * out –put Rs 232 interface to a PC system	

37 – Ultrasonic Baths

Cod 02-10-00037		QTY 20
Max .working capacity .litres	25 L	
Tank dimensions internal (w x d x h) mm	500x200x300	
Overall dimensions (w x d x h) mm	330x330x520	
Mass kg	18.5	
Electrical supply	220 v – 50 Hz	
Operating Frequency KH z	30-40	
Power consumption , Ultra sonic , w RMS	800	
Power consumption , heater , w	600	
Temp . Range c	30 – 70	
Out – put Digital LCD – display for all parameter		

(38) Bath – Circulator

Cod 02-10-00028		QTY 20
* Working temp range c	28 to 150	
* Temp display	LED	
* Resolution c	0.1	
* Temp control	P I D	
* Heating capacity , W	1500	
* Refrigerating capacity at + 20 c , w	320	
* Pump capacity pressure ma x , mbar, Flow rate max , min	300	
* Safety class (DIN 12879)2	12.5	
* Inter faces	RS 485	
* Bath opening / depth , mm	130 x 100 x 150	
* Bath volume liters	4.5	
* Dimensions (w x h x d) , mm	230 x 460 x 580	
* Mass kg	30	
* Total wattage max . VA	1900	
* Electrical supply	220 v , 50 – 60 Hz	
* Ambient temp range , c	10 to 40	

39) Ratavapor : (50 – 3000 ml flasks , 3 glass assemblies A,V,S, water or oil bath , Digital Display , Integrated , Vacuum controller , Automatic dual temp . sensor)

Cod 02-10-00039		QTY 4
* Operating voltage :	220 – 240 v 100 – 120 v	
* Frequency :	50- 60 Hz	
* Power Consumption :	70 w	
* Drive :	Stepper motor	
* Speed of Rotation :	5 – 240 rpm	
* Measure ment and Regulation range :	1 – 1400 mbar	
* Weight :	24 – 30 kg	
* Dimensions (L XH X W) mm	(580-750) X (630-1020)X 510	
Bath specification	Operating voltage 220-240v , 100-120 v	
* Frequency	50-60 Hz	
* Power consumption	1300 w	
* Regulation range	30-180 c	
* Regulation precision	+/- 2 c	
* Bath size	5 L	
* Flask sizes	50- 3000 ml	
* Temp display	Digital	
* weight	5.5 kg	
* Dimensions (L x H x W)	(290 x 225 x 310)	

40- Centrifuges variable speed: - (general purpose refrigerated centrifuge, rotor recognition runs awide choice of rotors 6 LCD display with Rpm / Rcf switch , swing out rotor requires no buckets , CFC refrigeration)

Cod 02-10-00040		Qty 6
A- specifications		
* Type	Variable	
* Speed rpm	1000-1200 (X 100 rpm increments)	
* Max . RCF , xg	13700	
* Timers , min	0-90	
* Brake , adjustable	20- 100 %	
* programs	10	
* temp . range , c	- 4 to + 40 C	
*Dimensions (W x D x H) mm	600 x 490 x 290	
* Mass kg	37	
* Electrical supply	230 v , 50-60 Hz	

B – Accessories

Taber Holder	6 x 1.5 ml of 4 tube Holder	
Taber Holder	12 x 5 ml of 4 tube Holder	
Taber Holder	3 x 20 ml of 4 tube Holder	
Taber Holder	7 x 15 ml of 4 tube Holder	

41) Moisture Tester

Cod 02-10-00041		QTY 5
* Electronic with 5 place digital readout		
* Readability :	$\pm 0.01\%$ or $\pm 0.01\text{ g}$	
* 4 Switchable measuring ranges		
* Sample weight 10 – 50 gm depending on density		
* Drying temp	± 20 to 170°C regulable	
* Can also be used as electronic balance capacity	500 : 0.01 g	

42) Moisture – analyzer : (Rapid moisture determination , Simple integrated design , Automatic end point detection) (Balance- moisture)

Cod 02-10-00042		QTY 10
* Capacity : (g)	40	
* Temp range $^\circ\text{C}$:	40 – 160	
* Temp increments :	1	
* Parameter Memories	3	
* Numeric Keypad		
* Electrical supply :	220 v , 50 Hz	

43) Moisture – analyzer , halogen , Thermogravimetric

Cod 02-10-00043		QTY 5
* Revolutionary halogen drying		
* 200°C for speed and flexibility		
* Convenient operating system		
* Temp adjustment at two points		
* Halogen heating is very fast and reproducible		
* Printer		
* Automatic Sample drawer		
* Weight calibration		

44) Water – Bath : (Ther mostirrer , hydraulic ,Thermostat controlled)

Cod 02-10-00044		QTY 10
* Temp . range c	Ambient – 99	
* Sensitivity c	– + 0.2	
* Capacity	22 liter	
* Dimensions (w x d x h)	395 x 298 x 150 mm	

45) Stirrer , magnetic , ceramic top , with hOte plate, Microprocessor :

Cod 02-10-00045		QTY 20
* Electronic temp and speed controls		
* Rubust construction		
* Safe operation		
* Micro processor controlled		
* Max plate temp c	450 c	
* Stirrer speed (rpm)	100 – 1200	
* PTR Probe c	0 – 200	
* PLATE dimensions mm	290 x 290	
* Heated area mm	200 x 200	

46) Turbidty Meter , Ratio :

Cod 02-10-00046		QTY 5
* Can be used with colored liquids		
* Confer ms to iso 7027		
* Ratio and Nephelometric modes		
* Portable or laboratory use		
* 50 Position memory on RS232 as standared		
* Ranges NTU	0.0 – 19.99, 0.0 – 199.9	
* Calibration: Two point for each range		
* Reproducibility	1% or 2 least significant digits	
* Min Sample Volume	20 ml	
* Response time	3.5 Sc	
* With date / time display		
* With low battery warning digit		
* Weight (kg)	1.2	
* Power internal , re – chargeable sealed lead acid battery 6v. More than 1000 tests between charges Mains 220 / 240 v 50 Hz (with float charger supplied)		
* Light source	860 nm LED	
* Accuracy	2 % or 2 least significant digits	
* Sample cells Diameter	22 – 25 mm , Max . height 66 mm	
* Memory	50 position	
* Out put	RS 232 Bi – directional	
* Dimensions (h x w x d)mm	75x 265x 180	
B) Accessories		
1- Primary turbidity standard	5 NTU (120 ml)	
2- primary turbidity standard	60.0 NTU (120 ml)	
3- Spare Sample cells	6	
4- Carry case (for meter and printer)		
5- Serial printer including cable		

47) Colorimeters , Digital

Cod 02-10-00047		QTY 5
* General purpose instrument		
* Bulit – in gelatin filters ,range 400-710 nm		
* 10 mm cell holder with 20 mm ,40 mm options		
* Analogue out – put		
* Mains or 12,v battery opration		
* Research grade microprocessor instrument		
*340-710 nm range with optional interference filter		
* Analogue , centronics and RS out – puts		
* Main operation		
B- Accessories		
1- cell holder 10 x10 mm (w x h)		
2- cell holder 10 x 20 mm (w x h)		
3- cell holder 10 x 40 mm (w x h)		
4- Glass cell 10 x 10mm (w x h)		
5- Glass cell 10 x 20mm (w x h)		
6- - Glass cell 10 x 40mm (w x h)		
7- Data acquisition disc 3.5		

48- Multi parameter photometers For electronic analysis of water sample

Cod 02-10-00048		QTY 4
* For treated drinking water analysis and water quality moritoring		
* 30 different Pre – programmed test for key water quality parameters		
* Test methods easily selected by entering aprogramme number		
Result to be stored and printed out , including details of the date ,time ,code number and test measurements		
* chip carel allows instrument upgrade to automatic delay and count down function to incorporate new tests		
Accessories		
Ragents		

Test	Reagent	
1- Alkalinity (- m)	Alka (- m) tablets	
2- Alkalinity (- p)	Alka (- p) tablets	
3- Aluminium	Aluminium tablet No. 1 tablets Aluminium tablet No. 2 tablets	
4- Ammonia	Ammonia No. 1 tablets Ammonia No. 2 tablets	
5- Boron	Boron No. 1 tablets Boron No.2 tablets	
6- Chloride	Chloride T1 tablets Chloride T2 tablets	
7- chlorine	DPD No.1 tablets DPD No.3 tablets DPD No.4 tablets	
8- chlorine	Potassium iodide tablets Acidifying G P tablets	
9- Cyanuric Acid	Cyanuric Acid tablets	
10- Hardness ,total	Hard check .p tablets	
11- Hydrazine	Hydrazine test powder with spoon	
12- Hydrogen peroxide	Hydrogen peroxide LR tablets	
13- Manganese	Manages No .1 tablets	
14- Oxygen (in boilers)	Oxygen ampoule No .2 (30 tests)	
15- PH	Adapter for oxygen ampoules . Phenol red photometer tablets . Broresol purple photo meter tablets	
16- Zinc	Thymol blue photo meter table Copper – zinc 10 w range tablets Dechlorinating tablets	
17- Reagents for test	EDTA tablets	
Bromine , chlorine Dioxide , Copper , Fluoride , Lodine , Iron ,Molybdate , Nitrate , Nitrite , Ozone , Phosphate ,Sulphate , Sulphide .Sulphite – 0 - ,Potassium , Silica , Sodium Hypochlorite		

49- COD Reagents and Equipment

Cod 02-10-00049		QTY. 4
1- COD Tube tester system		
2- Multi tube block heater . and digester		
3- Thermometer		
4- safty screen		
5- test tube rack		
6- photometer adapter and work place mat		
7- COD reagent Mercury Free For mulation (24 test) COD /2000	50-2000 mg/L	
8- COD reagent formulation containing mercuric sulphate (24 hours) cod /2000	50- 2000 mg /L	

50) Mixermill (pulverising mill)

Cod 02-10-00050		QTY 4
* working principle	Impact force	
* max. feed size	40mm	
* max. capacity	2 kg	
* final fineness	75-100 micron	
* Requires air supply	60/85 psi 1 l/min	
* Requires mal. Flow	80 psi nominal	
*Dimensions mm (wxdxh)	700x600x1000	
* mass kg	160	
* Elctrical supply	400v,50Hz,3 phase	
* power , w	1.1 kw	

	QTY
51) syringe plastic Disposable with suitable needle for feeding animals in the toxicity test sterile	200
52) Cages for lab animals (Rabits and mice)	100
53) Mouth gog for lab animals (mices)	10
54) Lence fixed in suitable instrument for cheaking and measuring the animal lab . eyes pressure and Irritation	6

nitrogen determination system

Cod 02-10-00055		QTY 6
1) Automatic kjeldahl unit for distillation complete with integral printer , steam generator and titrator 3x10 l tanks, all connection hoses, 1 pair of tongs , sample tube , main cable and operation manual.		
1st) Specification : *steam gerator electronically self leveling for deionised feed from 10 l tank supplied *NO.of storage tanks litres *colling water usage l/ min *display *Sample memory *I/O peripherals * Distillation tube (I xdia) ,mm * Dimensions (I x wx h) mm * Mass (kg) * power supply	3x10 1 LCD 200 samples RS 232 and ports for printer balance digestion controler 260 x 48 420 x 410 x750 39 220v,50Hz,21 00w	
2nd) Accessories and spare * standard digestionl distillation vessel * distillation vessel *splash protection vessel for nitroyen determination by devarcla method * Receiving / titration vessel * Rubber seating bung * Rubber bung , special size for tector / gerhardt * Aochptor com holder for tector vessels * PTFE hose * Hose connector Hypulon * sher indecator 100 ml	300 ml(packof 4) 500 ml for nitrogen	
2) Programmable control unit of time and out put steps , two digestion units controlled simultaneously, serial interface for PC and data ban k with accessories		
3) Digestion unit supplied complete with 12 digestion / distillation vessels , 2 fames exhaust manifolds,2 digestion vessel holders and 2 rocks for 6 digestion tubes each, equipped for opration withprogrammable controller , with all its accessories		
4) Fume Scruber supplied complete with power cable , 2 activated charcoal filters , 10 porticle filters and viton tubing with all its accessories		

56) Water Distillation Apparatus :

Cod 02-10-00056		QTY 20
* Supply voltage	220 v	
* Fuse required	10 A	
* Distillation rate	2.5 l / h	
* Cooling water * Consumption	60 l / h	
Demonisms (w x h x d) mm dimensions	420 x 510 x 230 mm	

* Length of hose cable	ApproX . 1.5 m	
* Weight	12 kg	
B) Accessories		
Water control valve with screw cap thread	½	
Water control valves with screw cap	3/8 and ¾	

57) Autoclave :

Cod 02-10-00057		QTY 10
* Compact space saving design		
* Minimal installation		
* Secure TM controller with memory		
* Bs 2646 Compliant		
* Single and eight program versions		
* Fast cooling as standard		
* Top or front loading model		
* Single phase power equipment		
* Hold warm media warming system		
* Timed free steaming		
* Swift lock TM single action controller		
* Lloyds design approval		
*champer Dimensions (dia.xdepth) mm Top loading (347 x 494), Front loading 347 x 556		
* overall dimensions (w x d x h) mm Front loading 530 x 750 x 1154) Front loading 600 x 750 x 1689 .		
* Electrical supply top loading 220 v , 50 Hz ,3 KW Front loading .220 v , 50 Hz , 3 kw		
* Mass (kg) Top loading and front loading 100 , 146		
* Capacity	50 L OF EACH TYPE	
* Pressure range	0-2 Bar	
B- Accessories : 1- 2 shelf pack with 2 shlves & frame (front loading) 5- 5 shelf pack with 3 shelves & frame (front – loading) 6- shelf spare for 5 shelf pack (front loading) . 7- discard box (front – loading) 8- spare condensate 9- internal load support plate (top loading) 10- half depth stainless steel basket (top – loading) 11- half depth morris discard containcer (top – loading) .		

58) Pumps , diaphragm type 100 % oil free for vacuum and pressure

Cod 02-10-00058		QTY 20
* flowrate , l/min ⁻¹	34	
* vacuume mbar	< 8	
* Dim-(wx dxn) mm	334x370x221	
* Electrical supply	220v,50Hz	
B) ACCESSORIES		
* Inlet trop		
* condensor		
* vacuume controller		
* double vacuume controller		

59) Incubator – programmable cooled

Cod 02-10-00059		QTY 10
* effective capacity	30 l	
* Extreior finish	Backed acrylic finish on galvanized steel	
* interior finish	Stainless steel	
* door	Backed acrylic finish on galv .steel triple glazed .window lockable with seprate light shield	
* NO.ofshelves	5	
* shelves	Poly ethy lene coated steel wire , adjustable.	
* cooling and heating system forced circulation		
* compressor	Hermatic type , single phase	
* out-put ,w	300	
* Evaporator	Fin and tupe , forced circulation	
* condenser type	Wire and tube (natural air cooling forced air cooling)	
* Defrosting system	Manual start automatic finish , natural vaporization of drain water	
* Heater(cord heater type) w	218	
* tempreature display	Digital with setting lock , digital indication system . microcomputer pid temp .s control / (when compressor oprates , ON –OFF control	
* temp , sensor	(thermistor)	
* Electrical supply	220v ,50 H2 , single phase	
* Fluorescent lamp	15wx1	
* Accessorice supplied	5 shelves , 1 set keys , light shielding plate	
* pawer consumption	292/290 w	
*typical parfomance 1) temp range 2) temp fluctation 3) temp variation	-10 C to +50 C +0.2 c at heater PID control (Temp .setting 50 c,ambient 20c no load) + 1 C at compressor ON-OFF, comp.setting 5c ,amb.20c no load) + 0.5C (setting temp 37C,ambient 20C no load)	

60) CO2 , Incubator

Cod 02-10-00060		QTY 10
* Microprocessor – controlled soft – touch operating panel		
* Digital displays for temp and co2 level / control with auto zero function		
* Auto – start		
* Error analysis (i – function) and service checks via the key coded switch		
* Independent- electronic over – temp . protection :	temp . protection : temp limit controllrr with saprde pt 100	
* Encapsulated measuring cell with HEPA filter		
* Capacity 60 liter		
* Optimum O2 level control through automatic calibration by an oxygen electrode (autocal)		
* Cytolink for acquiring data and monitoring all the relevant parameters of up to ten incubators Via PC with an RS232 inter face and connected Via adata buse line		
* Gas bottle monitor connectes tow gas bottels to the CO2 incubator in case of adrop in pressure ,the system automatically switches from the first bottle to the second		
*One - Piece Shelves ^ NO.perincubator , standared/ max ^ Dimesions (wxd) mm	2/6 409x340	
*temp .control cdigitad ^ temp ronge C : - ^ temp devication (spatial) DIN 58945C ^ temp.deviation (time) , DIN 58945	Ambient 50 (Ambient at least 7 C above room temp - +0.4 - +-0.1	
* Humidity: Relative Humidity %	> 95	
*gas cntrol : CO2control with digital controller setting range , % CO2 O2 control with digital controller N2 supply range , % O ₂ O2 supply range , % O ₂	Auto –zero CO ₂ 0-20 Auto –cal.O ₂ 3-21 21- 80	
* Mass Kg	60	
* Electrical supply	220v,50-60Hz	
* Connected load (rated power , Kw)	0.55	
* NO.- load consumption at 37C , w/n	60	
B) Accessories : All its accessoricis		

61) Zone Reader

Cod 02-10-00061		QTY 6
For Antibiotics Assay		

62) Microscope (with polarizing Accessories)

Cod 02-10-00062		QTY 5
* Ideal for viewing prepared slides and unstained material, Adaptable to photographic and cctv applications Avers tail educationl and laboratory microscope		
* Binoc x4,x10,x40,x100oil , Achromatic BF,Illuminator 230 VT – H		
* B)Acessonies		

1) x10 WF egepiceces , Appropriate filter , mechanicalsige,diffuser, dust cover immersion oil and spare lamp 2) 35 mm camera system 3) darkfield stop 4) x10Wteye piece with pointer 5) Dark field condenser 6) Carrying case 7) Phase contrast kit – phanachromatic 8) Polarising accessories 9) Cctv adaptor 10)Bright field plan achromatic objective x100 (with iris diaphragm)		
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63) pentrometer with setamatic controller

Cod 02-10-00063		QTY 5
*time setting control and display are all digital and range from 1 to 9999sec *Results given in mm of penetration or in pin units *An RS232C interface is provided for connecting to the user own couputer *the pentrometer has a machined cast a luminium base with inset spirit level , vertical pillar with geared two speed raising and lowerring mechansim for the counter balanced head and automatic plunger release and retention An optional contact sensing plunger allows accurate postitning of the penetrator tip when testing wax or bitumen sample . *supplied complete with 47.5 gm standard pulnger ,50g and 100gplunger weights. *Electrical Requirements *Power *Dimensions (wxhxd) *weight	110/120v and 220/240v,50-60 Hz 40 W 590x300x330 mm 12.5 kg	
B) Accessories		
1)contact sensing plunger 2) woter bath temp controller rang 0 to 99.9c with digltal temp setting and display 3) stainless steel lid for bath		

64- Density meters portable: -

Cod 02-10-00064	Description	Qty. 20
A: Application	For chemical oil and petroleum , products, beverages, sugar solutions, flavors pharmaceuticals, cosmetics, deergerts, activator, foods, fatsard oils, milk and dairy products.	
B:Specifications		
Measurement	Natural oscillation	
Range g/cm ³ Resolution g/cm 3	0-2 0.0005	
Accuracy g/cm ³	- + 0.001	
Temp measurement Range C° Resolution °C Accuracy C	(0-40 (32 – 104 F) 0.1 - + 0.5	
Temp compensation	Programmable	
Environmental temp . C	0-50 (32 – 122 F)	
Display	Density ,specific gravity, backit LCD display	
Variable units	Density :g/cm ³ ,lb/gal Temp C° or F selection . Specific gravity No unit	
Calibration	Automatic : pure water table stored.	
Data memory	99 results	
Data out-put	To an external printer or computer by RS-232C	
Power source	4 x 1.5 V battery.	
Dimensions(w x d x h) mm	300 x 125 x 40	
Mass. G	Approx. 550	

65- Sieve shaker electromagnetic analyzer:-(programmable sieve shaker with digital display)

Cod 02-10-00065	Description	Qty. 6
A:Specifications-		
Max load , kg	2	
Max number of sieves	10 x50 mm high 200 mm or 8 diameter sieves phase pan or 2 smaller nests totaling 9 sieves and 2 pans	
Amplitude range mm	Automatic control and regulation form 0.1 to 3	
Sieving time ,min	0-99	
Interval pause time sec	0-99	
Memory	9 setting (amplitude , sieving time , internal pause)	
Interface	RS232 fitted as standard	
Dimensions (w x d x h) mm	345 X 395 X190	

Electrical supply	100-120v,230v,1-phase 50-60hz , 115w	
Mass kg	25	
B: Accessories	For drying sieving and wet sieving	

66-Gas generator (Zero Air Generators): -

Cod 02-10-00066	Description	Qty 4
A: specifications:-		
Impurities	Total hydrocarbon < 0.1 PPM	
Max flow rate	1000 ml/min	
Inlet/outlet pressure range	0 to 8.5 bar. G	
Outlet connection	1/8 compression	
Inlet air requirement	< 200 PPM total hydrocarbons	
Electrical supply	220v,50hz	
B:Replacement part		
1) Inlet filter		
2) Outlet filter		
3)Activated charcoal inlet filter (with 1/8 compression fittings)		

67-Nitrogen gas generator: -

Cod 02-10-00067	Description	Qty 4
A: Specification		
Impurities	Moisture < 0.5 PPM Oxygen < 0.5 PPM Halocarbons < 0.002 PPM Hydrocarbons < 0.002 PPM	
Inlet / outlet pressure range	4 to 6.8 bar. G	
Out let connections	¼ NPT female	
Inlet air requirement	Moisture < 200 PPM Hydrocarbons < 1.0 PPM Particles < 5 microns	
Dimensions (w x d x h) mm	337x337x787	
Mass kg	23	
Max flow rate	1000 ml/min	
B: Replacement parts	Outlet purifier	
C: spare parts	Inlet/outlet isolation valve	

68-Hydrogen Gas generator

Cod 02-10-00068	Description	Qty 4
Specifications		
Mass leak / L excess flow detection		
Poor water Low water detection to prolong cell life time		
Max flow rate	250 ml/min	
Impurities	Oxygen < 1 PPM Moisture < 1 PPM Hydrocarbons < 0.001 PPM	
Outlet pressure	0 to 8 bar. G	
Out let connections	1/8 compression	
Water	> 500,000 ohm/cm , resistivity , capacity 4 LS .	
Dimensions (w x d x h) mm	333x359x378	
Mass kg	18	
Electrical supply	220v,50hz	

69-shaker (constant temp shaker) with constant temp chamber

Cod 02-10-00069	Description	Qty 20
A: Specifications		
Temp range C°	+ 5 > AMBIENT TO + 50	
Temp sensor	Pt 100	
Control accuracy	1% of set value	
Lighting	Standard light lamp 15w UV lamp 15w	
Air circulation m ³ /h	240	
Inner dimensions (w x d x h)mm	660x540x430	
B: Accessories		
1) Clamping strip		
2) Cooling coil	For TH30 for connection of an external cooling device	

70-Tablets hardness tester

Cod 02-10-00070	Qty 10
Digital model with printer	

71-Platinum crucible

Capacity		Qty
02-10-00071	25 ml	5
02-10-00072	50 ml	5

02-10-00073 (Thermolog S steam sterilization indicator Qty. = 1000

02-10-00074 -SoudogAz T 206 butane –190 g Qty. = 100 pack

74-Funnels nalgene PP autoclavaide

02-10-00075	35mm	5
02-10-00076	75 mm	5
02-10-00077	100 mm	5
02-10-00078	150 mm	5

75- Precision steel micro meter gauge

02-10-00079	Scaled 0 to 25x 0.01 mm with hardened and ground micrometer screw , thimble with ratchet and lever lock , and heat-resisting frame cover. In case complete with setting key .	4
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Cod	Parts name	Qty.
02-10-00080	Spectra photometer Modern type wave length range (190-950nm) Absorbance range –0.300 to 3.000 A Absorbance resolution 0.001 A With Uv/visible calibration standards	1
02-10-00081	Flame photometer Modern type designed for determination of sodium ,potassium, lithium, barium and calcium with cleaning solution with additional set of fullers with cleaning solution Range serum Na 50-175 K 0-10 Li 0-5 Ca 0-10	1
02-10-00082	Chloride analysis Modern type range 10-999 mg/l Sample volume 500 ml With chloride standard for calibration	1

02-10-00083	Portable pH meter Range 2-16.0 pH Resolution 0.01 pH Accuracy ± 0.02 pH Temp range -10 - +105 C° Resolution 0.1 C° Accuracy ± 0.5 C° With automatic temperature compensation direct temperature measurement clear LCD display ,micro processes, controlled, calibration	1
02-10-00084	Portable conductivity meter Range 0 to 199.9 Ms Resolution 0.1 Ms Accuracy $\pm 0.5\%$ Temp range -10 to +105C° Resolution 0.1 C° Accuracy ± 0.5 C° With calibration standard	1
02-10-00085	Melting point apparatus Electrically heated Temperature range up to 360 C° An arbitrary scale (0-10) The heating block is surrounded by insulation natural to minimizers of heat	1
02-10-00086	Furnaces Maximum temperature 1500C° Temp fluctuation ± 3 C° Refractory muffle with steel outer case integral chimney with adjustable van for draught control	1
Cod	Description	Qty.
02-10-00087	Ovens High temperature Range 50-500 C° capacity 30L , features S.S interior and electronic control Large area grid shelves Control by direct reading thermostat The outer shells steel and the inner is aluminum	1
02-10-00088	Portable digital thermometer Range 50 to + 150C° water resistant probe Display control with battery , with colloidal graphite pack	2
02-10-00089	Thermometer Mercury in glass	10
02-10-00090	Range 10-100	10
02-10-00091	10-200	10
02-10-00092	10-300	10
	10-400	10
02-10-00093	Hake four position magnetic stirring Platform ,operating speed Range 0-1100 rev/min S.S casing Allow stirring of not less than 4 sample	2

02-10-00094	Maximum thermometer - It resemble the ordinary clinical thermometer but its temp is more extended fitstarts from (70-150) - It resist high and shaking during entering the autoclave - The maximum temperature that is reach remain stable with out shaking - The numbers marked on the thermometer must be stable to the high temperature - The level of mercury must be continous with out any cutting	30
02-10-00095	Hydrometer Nafloc –Patlern For determination of dissolve solid in boiler and similar water according to the nafloc method with polished metol bulb and scale calibration 0,998 to 1.01 in 0.0002 sub division maximum diameter 41MM Length 280MM	1
02-10-00096	Digital polarimeter Modern type for testing sugar solution 360° angular scale sub divided Included sodium tamp 35w With sutable blugee tube to accommodate bubble and there by maintain clear fields of view	1
02-10-00097	Coulter counter(partical analysis system) - consist-direct readout of particle size - total count of large particl with repect of size given - printer working range with respect partical for 2-25 min thrie sholds 0-99.9 division - timer range 10 ms –655 sec	1

Cod	Description	Qty.
02-10-00098	Viscometer Including stirring motor and paddle , turntable control and boots heaters ,variable autogransformer accessories - contact thermometer 10-100C° - cooling coil - cover for turntable - stop watch	5 unit
02-10-00099	Atomic absorption spectrophotometer Modern type - monochrometer - burner and sample compartment - control and data satiation - soft ware feature - other occur	1
02-10-00100	Dissolved oxygen meter Do2 range 0 to 1.99% Resolution 1% Accuracy +_ 2% with in 10C° of calibration temp Temperature -10 to +60C° Resolution 0.1 C° Accuracy +_ 0.5C°	1

02-10-00101	Digital temperature-monitor For Pyrogen test ,with probe type A-RK , rectal temp of rabbit or another animal (ayrogen tester computerized)	1
02-10-00102	Stainless steel filtration With lid, funnel capacity 500 ml base lamp filter diameter 50 mm and manifold PTFE gasket silicone sealing in/id	6
02-10-00103	Analytical balances Automatic calibration Capacity 260 g 0.1 mg sensitivity readability 0.0001 gm	1
02-10-00104	Masses for general General purpose with aluminum fraction - range of mass 0.1 g 100mg - in wooden box	2 set
02-10-00105	Water bath Single place circular 200 mm diameter x 115 mm deep with two heat resisting plastic handler and set of aluminum rigs	1
02-10-00106	Water bath multiple Stove enameled aluminum alloy 325x227x125 mm high 100 mm internal depth .S.S cover has 5 circulars holes in different size .each one fitted with a set of stainless steel rings with connector and 3-core cable	1
02-10-00107	Nephelometry Instrument to measure extremely low turbidity and turbidity of colour red solution Completed with galvanometer test-tube adapter with different dimension It also capable of measuring of bacterial eqowth by washing culture test tube ,the sensuality of the instrument is switch that ,in many case , adaqueate information out the qlowth rate of the culture	1
02-10-00108	Precision steel micrometer gauge Scaled 0 to 25x0.01 mm with hardened and ground micrometer screw ,thimble with ratchet and lever lock , and heat-resisting frame cover .in case complete with setting key	4
02-10-00109	Maximum and minimum thermometer Wall mounting mercury in –glass thermometer ,with two markers , mounted on a dual scale –30 to 50x1C° and 20 to 120x2F° . Designed for horizontal mounting and reset by swiveling the frame to the vertical position. Overall length 235mm. In plastic frame with instruction	10
02-10-00110	Membrane Special type for microbiological pore size o.45Mm. Cellulose nitrate ,with black qowcl	800 filter paper
02-10-00111	Tape adhesive indicator 3M Autoclave colour change sterilization tape with steam sensitive ink in 55m rolls . Colour change from white to dark brown on 20 min exposure at 121C°	250 roll

02-10-00112	Attest No 1262,1262P Biological indicator for steam sterilization monitoring frequency resistance data for attest for steam sterilization 121 C° more time 15 min 132 C° more time 3 min	1000
02-10-00113	Platinum Crucible 25cc,50cc	1 each
02-10-00114	Thermolog S steam sterilization	1000
02-10-00115	Soudogaz T 206 butane –190g	100 peace
02-10-00116	Separating funnels Pyrex glass spherical with stopper and stopcock Capacity 100 ml 500 ml 2000 ml	5
02-10-00117		5
02-10-00118		5
02-10-00119	Conical flask Pyrex glass with vial neck and graduation marks showing approximate Capacity 500 ml 250 ml	20
02-10-00120		20
02-10-00121	Spiral condenser Length of jacket 200 mm Cone size N2 14/23	5
02-10-00122	Pyrex beaket With spout and graduation Capacity 1 litter 500 ml 250 ml 100 ml 50 ml 25 ml	20
02-10-00123		25
02-10-00124		25
02-10-00125		25
02-10-00126		25
02-10-00127		25
02-10-00128	Pipettes Capillary graduated for delivery from zero mark to graduation mark Capacity 25 ml 15 ml	25
02-10-00129		20
02-10-00130	Pipettes with bulb Pyrex glass , bulb form ,one mark Size 10 ml 5 ml	20
02-10-00131		20
02-10-00132	Flask volumetric Volac, stoppered one mark with interchangeable polypropylene stopper Capacity 1000 ml Stopper size 19/17	10

02-10-00133 02-10-00134 02-10-00135 02-10-00136	Funnels nalgene PP autoclavable Diameter 35 mm 75 mm 100 mm 160 mm	5 5 5 5
02-10-00137 02-10-00138 02-10-00139	Funnel light weight polypropylene Wide stem for powder Diameter 80 mm 100 mm 150 mm	10 10 10
02-10-00140 02-10-00141	Cylinder –volac graduated With spout face marked figured one way divided in 1 ml Size 25 ml 50 ml	20 20
02-10-00142	Filter flasks Pyrex glass Capacity 2000 ml Shelf pack qly 1 Std. Pack qly 5	10
02-10-00143	Flask filtering Bottle shape , duran borosilicate glass with straight plastics hose connection Capacity 20,000 ml	5

<u>A</u> <u>1- RAW MATERIAL :</u>			
CODE NO.	DISCRIPTION	PACKING	QTY/UNIT.
02-10-00144	Acetone BP 93 , NF 18 ,BP98	25-50 kg I.D galvanized	1 TON.
02-10-00145	Acetyl salicylic acid pregran p.s as per attached list USP23,BP98	25-50 kg F.D or P.D	40 TON.
02-10-00146	Acid ascorbic fine powder USP 23, BP 98	25-50 kg F.D or P.D	20 TON.
02-10-00147	Acid benzoic USP 23,BP 98	25-50 kg F.D or P.D	2 TON.
02-10-00148	Acid Citric monohydrate USP 23, BP 98	25-50 kg F.D or P.D	15 TON.
02-10-00149	Amiloride HCL USP 23 BP98	25kg F.D or P.D	100 KG
02-10-00150	Acid oleic USP 23,(NF18),BP98	50 kg glavanized I.D	15 TON.
02-10-00151	Acid stearic proified 50 PPM butylated Hydroxy luene to be added USP23 (NF18) , BP98	25-50 kg F.D or 25kg multilayer papec bag lined with nylon on pallet	3 TON.
02-10-00152	Acid trataric BP98 ,USP 23 (NF18)	25-50 kg F.D 25 kg paper bags in hard cartone box or multilayer paper bag lined with nylon on pallet	35 TON.
02-10-00153	Amitriptyline HCL F.P BP98	5 kg can or 25 kg F.DorP.D	300 KG
02-10-00154	Aerosil 130 V USP23 (NF 18)	10-20 kg multi layer paper bags lined with nylon on pallet	20 TON.

02-10-00155	Alcohol benzyl USP 23(NF18),BP98	25 L galvanized I.D or 25 L Alum. D.	150 TON.
02-10-00156	Alcohol cetostearyl USP23(NF18), BP98	25-50 kg F.D or multilayer paper bags lined with nylon on pallet	30 TON.
02-10-00157	Atenolol BP98	25 kg F.D or P.D	6 TON.
02-10-00158	Alcohol phenyl ethyl USP23	25 kg glvanized I.D	300 KG
02-10-00159	Aspartam USP 23	25 –50 kg F.DorP.D	500 KG
02-10-00160	Aluminium Hydroxid dried gel,loos density N.L.T 0.25 gm/ml USP23(M.L.T. as in BP98)	25-50 kg F.D	25 TON.
02-10-00161	Allopurinol F.pdr.BP98,USP23	25 kg F.DorP.D	3 TON.
02-10-00162	Acetazolamide BP98,USP23	25 kg F.D or P.D	500 KG
02-10-00163	Antazoline phosphate USP23	25 kg F.DorP.D	5 KG
02-10-00164	Aneurine HCL (thiamine HCL BP98,USP23)	25-50 kg F.D 25kg alum. Sachet in hard carton box	15 TON.
02-10-00165	Acid citric anhydrous USP23,BP98	25-50 kg F.D orhard carton	20 TON.
02-10-00166	Ampicillin trihydrate P.S 10% over 900 micron 50% over 400 micron 90% over 100 micron Bulk density 0.68+5% gm/ml USP23,BP98	25 –50 kg F.D plastic drum or alum. Sachet in hard carton box	50 TON.
02-10-00167	Acid Isoncotinic hydrazide USP23,BP98	25 –50 kg F.DorP.D	3 TON.
02-10-00168	Benzoyl Metronidazol micronized USP 23	25 –50 kg F.DorP.D	4 TON.

02-10-00169	Bromohexine HCL BP98	25 kg F.D, 5-10 kg alum con.	400 KG
02-10-00170	Bismuth carbonate (subcarbonate) BP98	25 –50 kg F.D or multilayer paper bag lined with nylon pallet	3 TON.
02-10-00171	Bismuth subgallate BP98	25 –50 kg F.D or multilayer paper bag lined with nylon pallet	500 KG
02-10-00172	Betamethason disodium phosphate USP23,BP98	100-500 g alum. Con	20 KG *
02-10-00173	Betamethazone valerate v.f.p 100% should pass B.S seive NO.125 USP23,BP98	100-500g alum. Con.	50 KG
02-10-00174	Benzathin pencillin steril pdr>(ready for filling) BP98,USP23	5 kg alum. Con.	600 KG
02-10-00175	Captopril USP23,BP98 disulphit free	25 kg F.D or P.D	1 TON.
02-10-00176	Coffeine anhydrous fine pdr. BP98,USP23	25-50 kg F.D or P.D	4 TON.
02-10-00177	Calamine micronize (medium p.s 27 micro +M.L.T BP98,USP23	25-50 kg F.D or multilayer paper bag lined with nylon on pallet	2 TON.
02-10-00178	Choli calciferol 40 million units/gm (vit .D3) USP23,BP98	5 –10 gm alum. Con.	1 KG
02-10-00179	Cloxacillin sod. Compacted BP98,USP23 P.S 10% over 900 micron 50% over 400 micron 90% over 100 micron Bulk density 0.63 gm/ml	25 kg F.D or P.D or alum. Sachet in hard carton box	5 TON.

02-10-00180	Cephalexine monohydrate (bulk density 0.68 +5% gm/ml)P.S 10% over 900 micron 50% over 400 micron 90% over 100 micron USP23,BP98	25 –50 kg F.D or P.D or alum. Sachet in hard carton box	50 TON.
02-10-00181	Cephalexin monohydrate v.f.p BP98,USP23 100% below 125 micron by microscopical exam.	25 kg F.D or P.D or alum. Sachet in hard carton box	12 TON.
02-10-00182	Calcium glycerophosphate BPC 63	25 –50 kg F.D	1.5 TON.
02-10-00183	Calcium pantothenate USP23,BP98	25 kg F.D or P.D or alum. Sachet in hard carton box	1 TON.
02-10-00184	Calcium phosphate Dibasic USP23	50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	1 TON.
02-10-00185	Calcium phosphate tribasic USP23(NF18),BP98	50 kg F.D multilayer paper bag lined with nylon on pallet	2 TON.
02-10-00186	Calcium sulphate dihydrate USP23(NF18)	50 kg F.D multilayer paper bag lined with nylon on pallet	10 TON.
02-10-00187	Comphor USP23,BP98	25- 50 kg F.D	1 TON.
02-10-00188	Carneuba wax BP98 ,USP23(NF18)	25 kg F.D or P.E bag lined with nylon on pallet	200 KG
02-10-00189	Cemitidine F.P BP98,USP23	25-50 kg F.D or P.D	6 TON.
02-10-00190	Cetrimide BP98	25-50 kg F.D or P.D	30 TON.
02-10-00191	Chloramphenicol micronized 85% less than 10 micron USP23,BP98	25-50kg F.D or P.D or alum. Sachet in hard carton box	250 KG

02-10-00192	Chlordiazepoxide (base) fine powder USP23,BP98	25-50 kg F.D or P.D or alum. Sachet in hard carton box	1 TON.
02-10-00193	Chlorbutol (chlorobutanol) USP23(NF18),BP98	50 kg F.D or P.D	250 KG
02-10-00194	Chlorocresol BP98,USP23(NF18)	25 kg galvanized I.D	200 KG
02-10-00195	Calcium chlorid 2H ₂ O BP98	25-50 kg F.D	250 KG
02-10-00196	Chloroxylenol BP98,USP23	25-50 kg F.D or P.D	100 TON.
02-10-00197	Chlorpheniramine maleate USP23,BP98	10 kg alum. Con.	500 KG
02-10-00198	Chlorpromazin HCL v.f.p USP23,BP98	5 kg alum. Con.	2 TON.
02-10-00199	Clotrimazol micronized USP23	100-500 gm alum. Con.	500 KG
02-10-00200	Clidinium bromide USP23	25-50 kg F.D or P.D	150 KG
02-10-00201	Clobetasol propionate as attached list	100-500 g alum. Con.	25 KG
02-10-00202	Crossscarmellose sodium Type A USP23(NF18),BP98	25-50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	10 TON.
02-10-00203	Codeine phosphate USP23,BP98	5-10 kg alum. Con.	2 TON.
02-10-00204	Comperland KD(diethanolamide of coconut fatty acid) (spacial method)	50 kg galvanized I.D or P.D	1 TON.

02-10-00205	Ceftriaxone sodium For inj. USP23(steril for inj.) (ready for filling)	5-10 kg alum. Con. Or P.con.	1000 KG
02-10-00206	Cyproheptidine HCL USP23,BP98	25-50 kg F.D or P.D	150 KG
02-10-00207	Colour yellow no.10 W.S		25 KG
02-10-00208	Colour opa dry white (specific method)	25 kg F.D or P.D or polyethylene bag in hard carton box	1000 KG
02-10-00209	Colour opa dry orange (specific method)	25 kg F.D or P.D or polyethylene bag in hard carton box	500 KG
02-10-00210	Cefataxime sodium Steril pdr. For inj. (ready filling USP23,BP98)	5-10 kg alum. Con.	12 TON.
02-10-00211	Cyanocobalamine USP23,BP98	100-200 g alum. Con. Or glass stopper bottle	20 KG
02-10-00212	Colour Opa ox 5564 pink (specific method)	25 kg F.D or P.D	1000 KG
02-10-00213	Carbamazepine BP98,USP23	25-50 kg F.D or P.D	3 TON.
02-10-00214	Colour orang deep water soluble 2055 CFR-FDA colour addetives	2.5 –5 kg alum. Or P.container	100 KG
02-10-00215	Colour mint 2076 CFR-FDA (colour additives)	2.5 – 5 kg alum. Or p.container	5 KG
02-10-00216	Dextromethorphan HBr. USP23,BP98	5 kg con.	400 KG
02-10-00217	Diastase malt J.P	25-50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	2 TON.
02-10-00218	Diazepam USP23,BP98	25 kg F.D or P.D	500 KG
02-10-00219	Dextropropoxyphene napsylate BP98	25 kg F.D or P.D	1.5 TON.
02-10-00220	Diethylamine salicylats PB98	25 –50 kg F.D or P.D	3 TON.
02-10-00221	Diethylphthalate BP98	25 –50 kg galvanized I.D or P.D	50 KG
02-10-00222	Diclofenac sodium Fine powder white to off white cryst powder PH of 1% solution = 7-8.5 m.p 278-279 c , idehification by I.R comply Heavy metals : n.m.t. 10 ppm Arsenic : n.m.t. 2 ppm (BP98) L.O.D : n.m.t. 0.5 % Assay : n.m.t. 99% Calcolated with referance to the dried substance by non aqueous titration USP23 supp6	25 kg F.D or P.D	2 TON.
02-10-00223	Diphenhydramine HCL fine pdr. USP23,BP98	25 kg F.D OR P.D	2.5 TON.
02-10-00224	Dexamethazone v.f.p USP23,BP98	100-500 g alum. Con.	50 KG
02-10-00225	Dexamethazone sodium Phosphate USP23,BP98	100-500 g alum. Con.	3 KG
02-10-00226	Diocetyl sodium Sulphosuccinate (Docusate sod.) USP23,BP98	25 kg F.D	200 KG
02-10-00227	Diphenoxylate HCL USP23,BP98	5 kg F.D or P.D	300 KG
02-10-00228	Dextron 70 medical gradu.		1 TON.
02-10-00229	Dipyridamol 1pdr. BP98,USP23	25 kg F.D or P.D	2 TON.
02-10-00230	Doxycyclin hyclate BP98,USP23	25 kg F.D or P.D	2 TON.
02-10-00231	Digitoxin USP23,BP98	25 kg F.D or P.D	5 KG
02-10-00232	Ethambutol HCL BP98,USP 23	25 kg F.D or P.D	2 TON.
02-10-00233	Ethyl cellulose standard type viscosity grade 20 centipose USP23(NF18)	50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	2 TON.

02-10-00234	Extract protincture krameria to produce tincture krameria specification after diilution 1 = 4 BPC 49	Galvanised I.D	500 KG
02-10-00235	Eudragit L solid 100 (specific method)	25 kg F.D or polyethylene bag in hard carton box	2 TON.
02-10-00236	Eudragit E liquid 12.5 (specific method)	25 kg galvanized I.D	10 TON.
02-10-00237	Erythromycin ethyl succinate 100% below 125 micron by microscopical exam USP23,BP98(Bitter less)	25 kg F.D or P.D OR Alum. sachet in hard carton box	12 TON.
02-10-00238	Erythromycin stearate BP98,USP23	25 – 50kg F.D or P.D OR Alum. sachet in hard carton box	40 TON.
02-10-00239	Ferrous fumarate USP23,BP98	25 -50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	20 TON.
02-10-00240	Furosemide fine powder BP98, USP 23	25 –50 kg F.D or P.D	1.5 TON.
02-10-00241	Fluocinolone Acetonide USP23,BP98	0.5 –2 kg alum. Con.	5 KG
02-10-00242	Framycetine sulphate BP98	25-50 kg F.D or P.D	10 KG
02-10-00243	Gelatine powder USDP23(NF18) ,BP98	25 - 50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	10 TON.
02-10-00244	Glycerol redistilled anhydrous USP23, BP98	200-250 kg galvanized I.D	200 TON.
02-10-00245	Glibenclamide powder BP98	25 kg F.D or P.D	100 KG
02-10-00246	Glyceryl guaiacolate (guiaphenesin) USP23,BP98	25 kg F.D or P.D	10 TON.
02-10-00247	Gramicidin micronized USP23	100- 500 g alum. Tin	25 KG
02-10-00248	Griseofulvin USP23 ,BP98	25 –50 kg F.D or P.D	2 TON.
02-10-00249	Glucose monohydrate pdr. USP23,BP98	50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	20 TON.
02-10-00250	Guar Gum (mypro guar) Csa 200 USP23(NF18)	50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	3 TON.
02-10-00251	Glucose anhydrous USP23,BP98 pyrogem free for I.V sol.	50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	75 TON.
02-10-00252	Gentamycin sulphate fine powder (steril) USP23,BP98	5 kg alum. Con.	1 TON.
02-10-00253	Gentamycin sulphate USP23,BP98	5kg alum. Con.	1 TON.
02-10-00254	Hydrochlorthiazide powder USP23,BP98	25 kg F.D or P.D	1 TON.
02-10-00255	Homatropine methyl bromide USP23	1 kg alum. Con.	250 KG
02-10-00256	Hyoscin HBr . (scopolamine HBr.) USP23,BP98	25-50 gm alum. Con.	1 KG
02-10-00257	Hyoscine –N– butyl bromide fine pdr. BP98	5 kg alum. Con.	1 TON.
02-10-00258	Hydroquinone USP23	25 –50 kg F.D or P.D	100 KG
02-10-00259	Iodochlorohydroxy quinolin USP23 ,BP98(Clioquinol)	25-50 kg F.D or P.D	100 KG
02-10-00260	Ibuprofen very fine pdr., USP23,BP98	25 –50 KG F.D	15 TON.

02-10-00261	Indomethacin micronized USP23,BP98 FOR CAP.	25-50 kg F.D or P.D	500 KG
02-10-00262	Ispaghula husk refined BP98	25 kg F.D or P.D	25 TON.
02-10-00263	Iso sorbide dinitrate (diluted) 25% in lactose USP23,BP98	25 kg F.D or P.D	300 KG
02-10-00264	Lactose monohydrate BP98+ M.L.T as USP23(NF18)	50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	50 TON.
02-10-00265	Lanoline Anhydrous (wool fat) USP23,BP98	50 kg galvanized I.D	10 TON.
02-10-00266	L-Leucine BP98,USP23	25 - 50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	500 KG
02-10-00267	Lidocaine BP98,USP23	25-50 kg F.D or P.D	500 KG
02-10-00268	Lactose spray dried BP98,USP23(NF18)+M.L.T	25-50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	2 TON.
02-10-00269	Lispol		4 TON.
02-10-00270	Lanoline alcohol (wool al.) USP23(NF18),BP98	50 kg galvanized I.D	5 TON.
02-10-00271	Magnesium carbonate light loose density 0.091 gm/ml 72 bulk density 0.101 gm/m joints USP23,BP98+MLT	25-50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	25 TON.
02-10-00272	Magnesium stearate ppt. Loose density 0.15-0.2 gm/ml M.L.T as USP23,BP98+USP23(NF18)	25 kg F.D or P.D multilayer paper bag lined with nylon on pallet	5 TON.
02-10-00273	Magnesium chloride BP98,USP23 6H ₂ O	25 kg F.D or P.D	250 KG
02-10-00274	Metoclopramide HCL BP98	25 kg F.D or P.D	250 KG
02-10-00275	L- menthol USP23	5-10 kg alum. Con.	1 TON.
02-10-00276	Meprobamate pdr. USP23,BP98	25-50 kg F.D or P.D	5 TON.
02-10-00277	Mefenamic acid BP98	25-50 kg F.D or P.D	10 TON.
02-10-00278	Methyl cellulose USP23,BP98	50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	1 TON.
02-10-00279	Methyl paraben USP23(NF18) ,BP98	25-50 kg F.D or P.D	2 TON.
02-10-00280	Methyl salicylate BP98,USP23(NF18)	50 kg galvanized I.D or P.D	3 TON.
02-10-00281	Mitronidazol USP23,BP98	25-50 kg F.D or P.D	10 TON.
02-10-00282	Mebendazol v.f.p USP23,BP98	25 kg F.D or P.D	1 TON.
02-10-00283	Manganese chloride anhydrous USP23	5kg alum. Con .	150 KG
02-10-00284	Mannitol (parenteral use)USP23,BP98	50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	10 TON.
02-10-00285	Methyl Dopa USP23,BP98	25 –50 kg F.D or P.D	15 TON.
02-10-00286	Neomycin sulphate USP23,BP98	25 kg F.D or P.D or alum. Sachet in hard carton box	500 KG

02-10-00287	Nicotinamide USP23,BP98	25 kg F.D or P.D or alum. Sachet in hard carton box	5 TON.
02-10-00288	Nitrofurantion fine powder USP23,BP98	25-50 kg F.D	1 TON.
02-10-00289	Naphazoline nitrate BP98	100-500 g alum. Can.	2 KG
02-10-00290	Nystatine v.f.p BP98,USP23	1 kg alum. Can.	10 000 BU
02-10-00291	Oil castor USP23,BP98	200 kg galvanized I.D	50 TON.
02-10-00292	Chocolate flaver CFR,FDA food additives	5 kg alum. Can.	100 KG
02-10-00293	Oil eucalyptus BP98	5 kg alum. Can.	250 KG
02-10-00294	Oil lavender NF16 BP80 add 2	5 kg alum. Can.	100 KG
02-10-00295	Oil lemon BP98	5 kg alum. Can.	100 KG
02-10-00296	Oil niaouli (cajuput oil) french codex swiss	5 kg alum. Can.	25 KG
02-10-00297	Oil orange BP98	5 kg alum. Can.	300 KG
02-10-00298	Orange soluble flavourCFR,FDA food additive.	5 kg alum. Can.	3 TON.
02-10-00299	Oil peppermint USP23(NF18),BP98	5 kg alum. Can.	500 KG
02-10-00300	Pineapple flavour CFR,FDA food additive	5 kg alum. Can.	2 TON.
02-10-00301	Strawberry flavour CFR,FDA food additive	5 kg alum. Can.	1 TON.
02-10-00302	Oil turpentine BP98	5 kg alum. Can.	1 TON.
02-10-00303	Tutti frutti flav. CFR,FDA food additive	5 kg alum. Can.	50 KG
02-10-00304	Oleoresin capsicum, light Absorption of 0.5% capsicum in methanol at 444 m should on the limit of 0.3191 –0.3262 BPC73	5 kg alum. Can.	100 KG
02-10-00305	Oil cherry flavour		100 KG
02-10-00306	Raspberry flavour CFR,FDA food additive	5 kg alum. Con.	3 TON.
02-10-00307	Oxymetazolin HCL USP23	500 gm alum. Can.	4 TON.
02-10-00308	Oil of terpineol BP98	180 kg galvanized I.D	200 TON.
02-10-00309	Orange flavor dry (soluble pdr) CFR,FDA food additive	5 kg alum. Con.	500 KG
02-10-00310	Oil spearmint Bp98	5 kg alum. Con.	100 KG
02-10-00311	Perfume for shampoo (pine shampoo 14183)	25 kg galvanized I.D	250 KG
02-10-00312	Paracetamol USP23,BP98 for direct compression	50 kg F.D or P.D or polyethlen bag in hard carton box	300 TON.
02-10-00313	Paraffin hard BP98,USP23	25-50 kg carton box	10 TON.
02-10-00314	Paraffin liq. (mineral oil) tocopheryl added 10 ppm USP23,BP98	200 kg galvanized I.D	15 TON.
02-10-00315	Paraffin soft whit (petrolatum) melting range 40-56 c penetration nized no. 150-200 BP98,USP23	175 kg galvanized I.D	50 TON.
02-10-00316	Paraffin soft yellow melting point 40-56 c penetration no.150-200 BP98,USP23	175 kg galvanized I.D	200 TON.
02-10-00317	Pyrazinamide BP98,USP23	25 kg F.D or P.D	250 KG
02-10-00318	Phenobarbitone (phenobarbital) USP23,BP98	25-50 kg F.D or P.D	750 KG
02-10-00319	Phenol cryst. USP23,BP98	5 kg p.contain	500 KG
02-10-00320	Phenyl ephrine HCL USP23,BP98	5 kg alum. Cont.	500 KG
02-10-00321	Polyethylene glycol 4000 (macrogol) USP23(NF18),BP98	25-50 kg F.D or P.D or polyethylene bag lined with nylon on pallte	5 TON.
02-10-00322	Polyethylene glycol 6000 USP23(NF18)	25-50 kg F.D or P.D or polyethylene bag lined with nylon on pallte	4 TON.
02-10-00323	Polyvinyl pyrrolidone M.WT . 44000 K value 30 (povdon),P.V.P BP98,USP23	25-50 kg F.D or P.D	10 TON.

02-10-00324	Potassium- chloride USP23,BP98	25-50 kg F.D or P.D or multilayer paper bag lined with nylon on pallte	250 KG
02-10-00325	Propylene glycol BP98	200 kg galvanized I.D	200 TON.
02-10-00326	Propylhydroxybenzoate (propylparaben) USP23(NF18),BP98	25-50 kg F.D	1.5 TON.
02-10-00327	Pyridoxin HCL USP23,BP98	25 kg F.D or alum. Sachet in hard carton box	4 TON.
02-10-00328	Potassium- Hydroxide USP23(NF18),BP98	50 kg P.D	20 TON.
02-10-00329	Potassium -Phosphate monobasic USP23(NF18)	1 kg can. or multilayer paper bag lined with nylon on pallte	100 KG
02-10-00330	Polyethylene glycol 400 USP23(NF18)	50 kg galvanized I.D	5 TON.
02-10-00331	Pseudoephedrine HCL USP23,BP98	25 kg F.D or P.D	1,500 KG
02-10-00332	Promethazine HCL USP23,BP98	5 kg alum. Can.	200 KG
02-10-00333	Pipenzolate methyl bromide pure *Description : white cryst . pdr. With bitter test *Solubility : soluble in water , slightly soluble in ether & acetone *Melting point : 180-183 °C *Loss on drying at 105 °C : N.M.T. 0.5% *Identification by I.R. , assay N.L.T. 99%	5 kg alum. Can.	50 KG
02-10-00334	Propranolol USP23,BP98	25-50 KG F.D or P.D	2 TON.
02-10-00335	Ranitidine HCL USP23,BP98 white pdr	25 – 50 kg F.D or P.D	3 TON.
02-10-00336	Riboflavin USP23,BP98	25 kg F.D or P.D or alum. Sachet in hard carton box	400 KG
02-10-00337	Rifampicin tapped bulk density 0.7 gm/ml USP23,BP98	25 kg alum. Con.	10 TON.
02-10-00338	Saccharine sodium USP23,BP98	25-50 kg F.D or P.D or multilayer paper bag lined with nylon on pallte	3 TON.
02-10-00339	Sodium Bicarbonate BP98,USP23	25-50 kg F.D or P.D or multilayer paper bag lined with nylon on pallte	50 TON.
02-10-00340	Sodium Carboxymethyl cellulose (carmellose sod.) *Viscosity of 1% solution 275 c.p.s. *P.S 99.5% passes 60 mesh B.S USP23,BP98	25-50 kg F.D or P.D or multilayer paper bag lined with nylon on pallte	2 TON.
02-10-00341	Sodium Chloride BP98,USP23 for J.V solution	25-50 kg F.D or P.D or polyethylene bag lined with nylon on pallte	30 TON.
02-10-00342	Di. Sodium Edetate pure BP98,USP23	25-50 kg F.D or P.D or polyethylene bag lined with nylon on pallte	1 TON
02-10-00343	Sodium Metabisulphite USP23(NF18),BP98	25-50 kg F.D or P.D or multilayer paper bag lined with nylon on pallte	500 KG

02-10-00344	Sodium Phosphate monbasic analytical reagent USP23	5 kg alum. Can. Or P.cont.	500 KG
02-10-00345	Spermacetti BPC68,USP23	25-50 kg F.D or P.D or polyethylene bag multilayer paper bag lined with nylon on pallte	8 TON.
02-10-00346	Sulphacetamide sodium BP98,USP23	25-50 kg F.D or P.D	1 TON.
02-10-00347	Sulphanilamide (streptocid) extrapure BPC68 SPX	25-50 kg F.D or P.D	150 KG
02-10-00348	Salbutamol sulphate Bp98	5 kg alum. Con.	100 KG
02-10-00349	Sodium Lauryl sulphate USP23(NF18),BP98	25-50 kg F.D or P.D or multilayer paper bag lined with nylon on pallte	750 KG
02-10-00350	Sodium Lactate 60% solution in P.E cont.	20-25 kg	3 TON.
02-10-00351	Sulphamethoxazol (micronized) USP23,BP98	25-50 kg F.D or P.D	80 TON.
02-10-00352	Talc v.f.p USP23,BP98	25-50 kg F.D or P.D or hard carton box or multilayer paper bag lined with nylon on pallte	20 TON.
02-10-00353	Theophylline anhydrous USP23,BP98	25-50 kg F.D or P.D	5 TON.
02-10-00354	Thymol USP23(NF18),BP98	25-50 kg F.D or P.D	100 KG
02-10-00355	Titanium dioxide USP23,BP98	25-50 kg F.D or P.D or hard carton box or multilayer paper bag lined with nylon on pallte	3 TON.
02-10-00356	Di-X-Tocopheryl acetate oily BP98	5 kg alum. Can.	150 KG
02-10-00357	Tween 80 (poly sobate 80) BP98,USP23(NF18)	200-250 kg galvanized I.D	5 TON.
02-10-00358	Tripolidine HCL BP98,USP23	25 kg F.D or P.D	5 KG
02-10-00359	Tetracycline HCL USP23,BP98	25-50 kg F.D or P.D or aor alum. Sachet in hard carton box	10 TON.
02-10-00360	Vitamin A acetate 500 000 I.U/gm powder appearance light yellow , fine gran pdr fineness 100% throught no.20 U.S standard sieve min 9% throught no. 40 max. 15% “ “ 100 loss on drying (4 hours at 105 c) max 8% USP23,BP98	5 kg alum. Can. Or alum. Sachet in hard carton box	2 TON.
02-10-00361	Vitamin E adsorbate 33% or 50% pharmaceutical grade BP98,USP23 appearance fine practicaly white pdr. L.O.D. n.m.t 5% (4 hours at 105 c) E 254/E 284.5 (ethan 01) 0.17-0.215 assay min 33% or 50% of Di- -tocopheryl acetate	5 kg alum. Can. Or alum. Sachet in hard carton box	2 TON.

02-10-00362	Vitamin A- palmitate 1M IU/ gm appearance : yellow ,oily liq. May crystallize on storage Peroxide value (lea) max 10 Acid value max 20 UV absorption in isopropanol a)mix absorption : at 325-327 nm b) relative extinction : -at 300 nm max. 0.593 -at 350 nm max. 0.537 -at 370 nm max. 0.142 Vitamin A content min. 1.0M I.U/g specify: 1- dileumt oil 2- antioxidant USP23,BP98	5 kg alum. Cont.	250 KG
02-10-00363	Veegum H.V. (alum. Mag. Silicate) (viscosity st. 5%) 250 CP. USP23(NF18),BP98	25-50 kg F.D or P.D	1.5 TON.
02-10-00364	Witapsol H35 (hard fat) USP23(NF18),BP98	25 kg galvanized I.D or polyethylene bag in hard carton box	10 TON.
02-10-00365	Witepsol H37 (hard fat) BP98,USP23(NF18)	25 kg galvanized I.D or polyethylene bag in hard carton box	10 TON.
02-10-00366	Yeast extrat USP23	25-50 kg F.D or P.D	2 TON.
02-10-00367	Yellow iron oxide colour CFR, FDA colour add	25 kg F.D or P.D or multilayer paper bag in lined with nylon on pallet	40 KG
02-10-00368	Zinc oxide BP98,USP23	25 kg F.D or P.D or multilayer paper bag in lined with nylon on pallet	10 TON.
02-10-00369	Benzyl penicillin G sod. Sterile ready for filling BP98,USP23	5 kg alum. Cant.	1000 Bill
02-10-00370	Fortified procain penicillin sterile for inj. (ready for filling) (400 000int unit) content of total penicillin M.L.T 65% of the total content of procaine penicillin & benzyl penicillin sodium BP98,USP23	4 Bu alum. Cant.	7000 Bill
02-10-00371	Streptomycin sulphate sterile pdr. For inj. (ready for filling) BP98,USP23	5 kg alum. Cont.	3000 KG
02-10-00372	Ampicillin sodium Sterile for inj. Crystalline (ready for filling) USP23,BP98	2-5 kg alum. can.	8000 KG
02-10-00373	Ampicillin Trihydrate V.F.P. particale size 100% bellow 125 micro. By microscopical exam. USP23,BP98	25 kg F.D or P.D or alum. Sachet in hard carton box	10 TON.
02-10-00374	Avicel pH 102 (microcrystallin cellulose) average P.S. 90 micro BP98,USP23(NF18)	25 kg F.D or P.D or multilayer paper bag in lined with nylon on pallet	7 TON.
02-10-00375	Amoxycillin Trihydrate v.f.p. 100% bellow 125 micro. When exam under microscop. USP23,BP98	25-50 kg F.D or P.D or alum. Sachet in harde carton box	10 TON.

02-10-00376	Amoxycillin Trihydrate compacte bulk density 0.68+ 5% gm/ml Sieve analysis 10% over 900 micro 50% over 400 90% over 100 USP23,BP98	25 – 50 kg F.D or P.D or alum. Sachet in hard carton box	50 TON.
02-10-00377	Chloramphenicol palmitate micro. P.S 100% bellow 100 micron by microscopical exam USP23,BP98	25 – 50 kg F.D or P.D or alum. Sachet in hard carton box	3 TON.
02-10-00378	Creatinine chemical pure USP23	1 kg alum. Can.	15 KG
02-10-00379	Cetanacrogal (cetamac 1000) BP98	25 kg F.D or P.D or polyethylene bag lined with nylon on pallet	5 TON.
02-10-00380	Cephalothin sodium Sterile pdr. For inj. BP98, USP23 (ready for filling)	5 kg alum. Can.	1 TON.
02-10-00381	Calcium Carbonate light fin pdr. Loose density 0.3-o.4 gm/ml Tapped density 0.5- 0.7 gm/ml BP98	25 kg F.D or P.D or multilayer paper bag in lined with nylon on pallet	5 TON.
02-10-00382	Colour orange deep 2025 CFR,FDA color food add.	2.5-5 kg can.	50 KG

02-10-00383	Chloramphenicol USP23,BP98	25 kg F.D or P.D or alum. Sachet in hard carton box	5 TON.
02-10-00384	Colour deep orange alum. Lake ZLTI CFR,FDA color add.	2.5- 5 kg can.	50 KG
02-10-00385	Colour bannana green H8747 CFR,FDA color add.	2.5- 5 kg can.	25 KG
02-10-00386	Colour erythrocine FD&C. No. 3 CFR,FDA	2.5-5 kg can.	350 KG
02-10-00387	Colour green alum. Kake ZLT601 CFR,FDA color add.	2.5- 5 kg can.	70 KG
02-10-00388	Chlorhexidine gluconate BP98	25-50 kg galvanized I.D or P.D	6 TON.
02-10-00389	Colour red F,D & C no.30 CFR,FDA color add.	2.5-5 kg can.	50 KG
02-10-00390	Hydroxyethyl cellulose (cello size)QP 300L / 1389 USP23	25 kg F.D or P.D or multilayer paper bag in lined with nylon on pallet	500 KG
02-10-00391	Hydroxypropyl methyl cellulose 50 CPS USP23	25 kg F.D or P.D or multilayer paper bag in lined with nylon on pallet	2 TON.
02-10-00392	Pridnisolone fine pdr. USP23,BP98	5 kg alum. Can	200 KG
02-10-00393	Famotidine BP98,USP23	25 kg F.D or P.D	500 KG
02-10-00394	Triamcinolone acetone micro. USP23,BP98	100 GM Tin	50 KG
02-10-00395	Trimethoprim (micronized) P.S 50% below 14 mic. 80% below 27 mic. 100% below 90 mic. USP23,BP98	25-50 kg F.D or P.D	15 TON.
02-10-00396	Tetracycline HCL micronized USP23,BP98	25 kg F.D or P.D or alum. Sachet in hared carton box	500 KG

02-10-00397	Diclofence sodium Bromin free powder for ampoule	25 kg F.D	150 KG
02-10-00398	Avicel pH 200 for direct comprssion NF,PH eur.	25-50 kg F.D	5 TON.
02-10-00399	Avical pH 301 NF,PH eur,BP	25-50 kg F.D	10 TON.
02-10-00400	Avical pH 302 NF,PH eur ,BP	25-50 kg F.D	10 TON.
02-10-00401	Cinnarizine	25 kg F.D	100 KG
02-10-00402	Cinchocoin HCL BP98,USP23	10 kg F.D	30 KG
02-10-00403	Terbutaline sulphate USP23	10 kg F.D	10 KG
02-10-00404	Spironolactone BP93	25 kg F.D	125 KG
02-10-00405	Roxithromycin BP98	25 kg F.D	75 KG
02-10-00406	Nifuratil		20 KG
02-10-00407	Cefaclor monohydrate USP23		25 KG
02-10-00408	Diclofenac diethylamine		10 KG
02-10-00409	Finasteride		25 KG
02-10-00410	Miconazol nitrate BP98		20 KG
02-10-00411	Naldixic acid BP98		10 KG
02-10-00412	Naproxen US FDA APP. BP98		100 KG
02-10-00413	Pyroxicam		25 KG
02-10-00414	Pyrozinamide BP98		100 KG
02-10-00415	Ciprofloxacin BP98		50 KG
02-10-00416	Lisinoopril dihydrate BP98		25 KG
02-10-00417	Amlodipin		25 KG
02-10-00418	Csapride BP98		25 KG
02-10-00419	Loratadine HCL		10 KG
02-10-00420	Lanzoprazol		100 KG
02-10-00421	Succinylatel galatin		10 KG
02-10-00422	Ampinophyllin BP93		60 KG
02-10-00423	Clacium gluconate BP93		10 KG
02-10-00424	Suxamethoniumcl BP93		15 KG
02-10-00425	Cloxacillin sod. Sterile USP23		28 KG
02-10-00426	Prochloroperazin BP93		2 KG
02-10-00427	Nesylate		
02-10-00428	Ceftazidim USP23		
02-10-00429	Clarithromycin USP23		25 KG
02-10-00430	Carbopal 934 P		25 KG
02-10-00431	Cetiol LC		25 KG
02-10-00432	Clindemycin palmitate HCL USP23		25 KG
02-10-00433	Aluminium subacetat		100 KG
02-10-00434	Benzethonium chloride USP23		5 KG
02-10-00435	Calcium saccharate USP23		5 KG
02-10-00436	Alexander senna. Fruit powder BP93		100 KG
02-10-00437	Phenytoin sod. USP23		100 KG

Attached list for specification of Aspirin:-

Percentage remaining on sieve in micron :-

160 micron	85-96	, 200 micron	79-92
250 micron	71-89	, 315 micron	63-84
400 micron	52-78	, 500 micron	40-71
630 micron	25-55	, 800 micron	7-26

Determined by alpine type ALS 200 sieve

Sample weight 10 gm, time 3 min.

Depression 200 mm to 300 mm water angle repose 38.8

Untapped apparent density 0.65-0.69 gm/ml.

Staffed density 0.74-0.77

Should comply with BP80 specification

Specification of the Raw material :-

Aluminium Hydroxide magnesium carbonate Co. dried gel .

Ref. (Ext. pharmac. 27)

Physical bulk density = 0.236 gm/ml + 10%

Tapped density (DIN standard method) = 0.347 + 10% with 1000 jolts)

Microscopical examinations

100 % over 3.3 micron

3 % over 30 micron

Mean particle size = 5 microns

Analytical specifications

Aluminium oxide

40-43 % proceed as directed in the assay for aluminium oxide under magaldrate USPXX page 456 (SDI analytical standard).

Magnesium oxide.

6-9 % proceed as directed for the assay of magnesium oxide under .

Magaldrate USPXX page 456 (SDI analytical standard)

pH of 4 % = 8.5 – 9.5

Neutralization capacity

M1 N/10 HCL per gm. min. 260

Other requirements : It respond to the identification test under magaldrate and meet all the requirement of microbial limit , chloride sulfate , Arsenic and heavy metal under Aluminium Hydroxide dried gel

CLOBETASOL PROPTONATE MICRONIZED

Description : A white to creamy white odourless powder

Identification : Positive (I.R ,UV , HPLC)

Solubility : Practically insoluble in water , soluble 1 in 100 ml alcohol and 1 in 1000 of ether
Soluble in acetone , dioxane chloroform , dimethyl sulfoxide .

Melting point : $195^{\circ}\text{C} \pm 3^{\circ}\text{C}$

Loss on drying : not more than 1 % (3 hours at 105°C)

Specific optical rotation : + 100 to + 108
(C= 1% w/v in dioxane)

Light absorption (at about 238 nm) 330-350 A (1% Tcm)

Residue on ignition : not more than 0.2 %

Related foreign steroids: not more than 3 % (TLC, HPLC)

2- PACKAGING REQUIREMENTS & SPECIFICATIONS

CODE NO	DESCRIPTION	QTY
	Capsules	
	Capsule Type Snap fit Capsule	
02-10-00438	Empty gelatin capsule size 0 printed .	750.000.000 caps
02-10-00439	Empty gelatin capsule size 1 printed	250.000.000 caps
02-10-00440	Empty gelatin capsule size 0 elongated	50.000.000 caps
	N.B/	
	1-5000 Capsules sample of each size is required for evaluation	
	2- For exact color & printing sample will be sent to the buyer upon it's request .	
	3-Capsules to be protected by paper / polyethylene bags packed in a strong double corrugated carton .inner sides lined with trays of styropore foam , outer sides wall laminated with wax lamination .	
	4-Shipment and transportation should be effected in refrigerated trucks ,to insure safe arrival and quality .	

02-10-00441	<u>Oral Drops</u> 1-Glass bottle droppers ,15 ml round amber bakelite 18 mm, (drawing no .SDF-18) Art no 73413 .	5. 000.000
02-10-00442	2-Internal plastic droppers art .no B 1810-1	5 .000.000
02-10-00443	3-White Bakelite cap (Art no . Li810) <u>Specifications:</u> Glass bottles to be from glass type III Glass bottles should meet the limit test of alkalinity (Analytical certificate is required). 3-Transmission of light & chemical resistance of amber glass bottles & specifications to be according to USPXXI. 4-Bottles :Finish 17.4 mm, capacity 15 ml ,weight 31-35 gm body diameter 27.8(+0.5, - 0.5)mm 5-Bottles to be arranged as 195(13x15)pcs/pack ,6 packs/layer 18 layers / palette ,(21060 pcs /pal)packs with finish upside down . 6-Palette :dimensions 1200/800 , height 1400 mm weight 690 kg. 7- Covering : 10 pcs pads in between each 2 layers 1195x795(dimensions 9 pcs trays with 1195x795x100 mm in dimensions arranged on the bottom, then on the 3,5,7,9,11,13,15,18, layer . Totally covered by double plastic foil 2120/1900/0.25 Shrink wrapped & stripped, labels with all in formations To be stacked on outer sides. <u>Plastic dropper & Bakelite cap:</u> Each kind to be packed in a well closed nylon sac of 1000 pcs & each 2 sacs packed in a strong worthy export corrugated card board carton in non return shrink warp palette , with large outer labels on cartons & palettes with all in formations & quantities inside .	5.000.000

02-10-00444	<u>Glass Bottle Dropper</u> Glass bottle droppers 15 ml , round ,amber finish 18 mm (drawing no . 7B809) <u>Specifications:</u> 1-Glass bottles to be from glass type III 2-Glass bottles should meet the limit test of alkalinity (Analytical certificate is required). 3-Transmission of light & chemical resistance of amber glass bottles & specifications to be according to USPXXI. 4- Bottles :Finish 19.4 mm, capacity 15 ml ,weight 19-21 gm body diameter 26-27 mm height 56.7 – 57.7mm . 5-Bottles to be arranged as 221 pcs/pack (13x17) , 6 packs /layer ,19layers/palette (25194 pcs/pal)packs with the finish upside down . 6-Palette: dimensions 1200/800 , height 1320 mm weight 550 kg. 7- Covering : 10 pcs pads in between each 2 layers with dimensions 1195x795 mm 10 pcs trays with 1195x100 mm di mensions arranged in the bottom, then on the 3,5,7,9,11,13,15,17,19 layer . Totally covered by double plastic foil 2120/1900/0.25 Shrink warped & stripped , labels contains all the In formations To be stacked on outer sides.	5. 000.000 unit
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02-10-00445	Un graduated glass dropper , composed of glass tube , Black butyl rubber leucolene teat, black Bakelite cap.18mm & must be assembled 1-Glass dropper to be from glass type III 2-Glass droppers to fit with glass bottle dropper 15 ml finish 18 mm (drawing no. SDI-19 – improved) . 3- Enclosed samples of glass droppers to be supplied accordingly . 4-To be packed in a well closed nylon sac of 1000 pcs & each 2 saces packed in a strong worthy export corrugated card board carton in non return shrink warp palette , with large outer labels on cartons & palettes Contained all in formations with quantities inside .	5 .000.000 unit
02-10-00446	<u>Eye drop glass bottles</u> Glass bottles dropper 12 ml round amber (drawing no. SDI – 22 N) . Specification : 1-Glass bottles to be from glass type III 2-Transmission of light & chemical resistance of amber glass bottles &all other specifications to be according to USPXXI. 3-Bottles : Finish 17.05 mm, capacity 12ml ,weight, 23-25 gm ,body dimensions 24.5-25.5 mm height: 60.5-61.5 mm 4-Bottles to be arranged as 255 pcs/pack (15x17) , 6 packs /layer ,18 layers/palette (27540 pcs /pal) packs with the finish upside down . 5-Palette: dimensions 1200/800 , height 1360 mm weight 700 kg 6- Covering : 10 pcs pads in between each 2 layers with dimensions 1195x795 mm, 9 trays with 1195x795x130 mm dimensions covering outer sides of the palette . Totally covered by double foil 2200/1900/0.25 Shrink warped & stripped ,labels contains all the in formations To be Stacked on the outer sides.	10 .000.000 unit

02-10-00447	Un graduated glass dropper for 12 ml glass bottle dropper , composed of Un graduated white bent glass Tube , blue teat, white Bakelite cap & to be assembled Together. Specifications: 1-Glass dropper to be from glass type III 2-Outer diameter of the glass tube to be 5 mm(+0.25 , -0.25)mm the clearance distance between the glass tube nazzle & inside bottom of the glass bottle dropper to be 1.5 – 2 mm after closing . 3-Blue leucolene teat to be made from butyl rubber & Have :-Weight of 2.1-2.2 gm to prevent floating of droppers on Washing solution total length 23.5 (+0.5,-0.5) mm 4-The glass tube , rubber teat ,to be well fitted into the Bakelite cap to ensure no movement or separation of Each . 5-Complete droppers(teat ,Bakelite cap & glass tube). Have to bear autoclaving at 122C for 30 min Enclosed samples of 100 sampled glass bottle with Droppers is required . Samples of 200 sampled glass droppers is required For evaluation . To be packed in a well closed nylon sac of 1000 pcs & each 2 saces packed in a strong worthy export corrugated card board carton in non return shrink warp palette , with large in non return shrink warp Palette , with large outer labels on cartons & palettes Contained all in formations with quantities inside.	10. 000.000 unit
02-10-00448	<u>ALUMINIUN\M TUBES</u> A-Aluminum tubes 13.5x70 mm cylindrical printed in Two colors internally lacquered with plastic Ophthalmic nozzle pick & membrane orifice with ring For (Pfizer type) <u>Specifications:</u> 1-The tubes must contains gasket ring made of latex 7 mm wide & should be fixed in side the tube approx 2mm (+1,-1 mm) from the tube end & should have a constant thickness of 0.02 – 0.025 mm 2-The specification of Alum .tube & internal lacquer to be according to British standard ,analytical certificate is required . 3-Tubes to be packed by I,W,K,A Cartooning machines type carton KKI. 4-Tubes to be packed in corrugated cartons without divisions of 250 pcs/each & repacked in wooden cases with outer side printed with all in formations & quantity in side, Inner sides carton dimensions : (length 293 x width 148 x height105mm) 5-In addition assembled thin carton divisions is needed & to be used inside the above cartons for packing 200 tubes of the finished product , the division are with the following dimensions: a- Partition with 15 slots size 290 x 65 mm b- Partition with 9 slots size 140 x 65 mm . Each 19 partitions of size (140 x 65 mm) & 9 Partitions Of size (290 x 65mm) to be assembled together in one division (set) . 6- Packing:- Each 100 sets (assembled divisions) to be packed in a worthy export strong corrugated carton & Palletized , large in formation lable on the carton outer Side is needed .	8.000.000 tube

02-10-00449	B-Aluminum tubes 19x100 mm cylindrical printed in Two colors internally lacquered for skin oint. & creams (medical) use with orifice membrane & white caps with punctured thorn . <u>Specifications& packing :</u> 1-The tubes must contains gasket ring made of latex 7 mm wide & should be fixed in side the tube approx 2mm (+1,-1 mm) from the tube end & should have a constant thickness of 0.02 – 0.025 mm 2-The specification of Alum .tube & internal lacquer to be according to British standard ,analytical certificate is required . 3-Tubes to be packed by I,W,K,A Cartooning machines type carton KKI. 4-Tubes to be packed in corrugated cartons approx. dimensions : (length 315 x width 250 x height125mm) using divisions in between alum.tubes for separation & repacked in wooden cases ,All necessary in formations & quantity to be printed on cartons & the box in oute sides .	15.000.000 tube
02-10-00450	C- Aluminum tubes 22x115 mm cylindrical printed in Two Color Internally lacquered for skin Oint . & creams (medical use) with orifice membrane & white cap with punctured thorn <u>Specifications & packing :</u> 1-The tubes must contains gasket ring made of latex 7 mm wide & should be fixed in side the tube approx 2mm (+1,-1 mm) from the tube end & should have a constant thickness of 0.02 – 0.025 mm 2-The specification of Alum .tube & internal lacquer to be according to British standard ,analytical certificate is required . 3-Tubes to be packed by I,W,K,A Cartooning machines type carton KKI. 4-Tubes to be packed in corrugated cartons approx. dimensions : (length 315 x width 260 x height125mm) using divisions in between alum.tubes for separation & repacked in wooden cases ,All necessary in formations & quantity to be printed on cartons & the box in outer sides .	12 .000.000 tube
02-10-00451	Glass bottles 125ml finish 28mm round amber <u>Specifications:</u> 1-Glass bottles to be from glass type III . 2-Glass bottles should meet the limit test of alkalinity (Analytical certificate is required). 3-Transmission of light of amber glass bottles should be according to USPXXI. Bottle Packing : to be arranged as 63 pcs/pack(7x9) 6 packs/layer. 9 layers /pal (3402 pcs/pal), packs with the finish up side down in separately shrink wrapped quantities . Palette size 1200/800 mm , height : 1330 mm Weight : 375/ 410 kg . 5-Covering One pad on bottom with 1195x795x795 mm dimensions , 9 trays on all layers covering outer sides of the palette with 1195x795x100 mm dimensions . Totally covered by double plastic 2400/1900/0.25 Shrink warped & stripped , labels contains all the in Formations To be stacked on the outer sides.	35.000.000 bottle

02-10-00452	Glass bottles 125 ml , finish 28 mm , round , amber. Specifications: 1-Glass bottles to be from glass type III round amber . 2-Glass bottles should meet the limit test of alkalinity (Analytical certificate is required). 3-Transmission of light & chemical resistance of amber glass. glass bottles should be according to USPXXI. 4-Glass bottles to be packed with finish up side down in a separately shrink warped quantities, arranged in Layers separated totally by pads & trays covered in Between layers & the outer sides on totally nylon Shrink wrapped palette 5- Glass bottle to be marked to 100 c.c for suspension . 6- labels contains all above information to be stacked on	15.000.000 bottle
02-10-00453	<u>VIALS</u> Glass bottles, 10ml vials , white , round finish 20mm ,used for packing Antibiotic powders. Specifications & Packing :- A-Glass bottles to be packed in corrugated trays of 240pcs & arranged in layers totally covered with the outer palette .sides by corrugated trays on a totally double layer polyethylene of 0.4 mm thickness shrink wrapped palette . - Large outer labels printed with all above in formation to be stacked on palette . B-Glass bottles(vials) are used for packing antibiotic Powders made from glass type III which should meet the Limit test of alkalinity & chemical resistance of glasses According to USPXXI(analytical certificates is required) - Samples of 200 G.B is required for evaluation .	20.000.000 bottle
02-10-00454	<u>Rubber Plugs</u> Rubber plugs from butyl rubber for antibiotic vials (B.S. 3263-1960) Color red(According to DIN58 366 – JS8). - Quality : FM 50% Chloro butyl rubber , color red. Samples of 2000 pcs is required for evaluation. Packing : Each 7000 pcs packed in Polyethylene sac & Repacked in a strong double layer corrugated carton on A totally shrink palette . Large label printed with all in formations to be stacked On cartons & palettes	20.000.000 pcs
02-10-00455	<u>Aluminum Sealing</u> A-Aluminum Cap pilfer proof ,28 mm , whit color printed In One color according to DIN 60945 (28x18mm) Specifications: Thickness of alum .cap to be 0.23 mm The points between caps & it's ends must be proper to open the cap easily after closing according to the standard torque force for each . 3-The pad to be 2.4 mm thickness & well fitted to the caps To ensure no separation .	50.000.000 pcs
02-10-00456	B-Aluminum caps for antibiotic vials ,high 8 mm ,thickness 0.22 mm(-0.2 , +0.2 mm) diameter 20 mm (Group 13 DIN 266-BM2-13) - Samples of 5000 pcs is required for evaluation	20.000.000 pcs

02-10-00457	<u>Ampoules Labels</u> Automatic labeling machine HAPA 411 Heat seal paper Quality : thermo – sensitive PBL3 55 NR. Kromekote weight :paper 78 g/m2 Emulsion 18 g/m2 (+0.5,-0.5g) Totally :96 g/m2 Size :Narrow roll width 32(+0.2,-0.2) mm Core diameter 76 mm Outer diameter max.380 mm Length of roll max 1000mm Splices spots: max 1 per roll Each 1 ml ampoules needs 15 mm label Each 2 ml ampoules needs 24 mm label	300 000 meter
02-10-00458	<u>Self Adhesive labels</u> 1- Pharmaceutical labels printed in two colors 70gm of self adhesive roll size 40 x 80 mm to be used on nor print machine . the distance between each 2 successive labels is 2.5mm Each roll contains 9000-10000 labels . Foil direction (foil winding) is anti –wise direction . Roll core diameter is 70-75 mm One roll sample is need .	150.000.000 pcs
02-10-00459	2- Pharmaceutical labels printed in two colors on self adhesive paper roll size 22 x 52 mm to be used in C.E. King machine model collimate 70. the distance between each 2 successive labels is 2.5mm Each roll contains 9000- 9500 labels . Labels to be suitable for sticking on siliconized outer Surface treated glass bottles . One roll sample for evaluation is need .	30.000.000 pcs
02-10-00460	<u>Label reel to be used for self adhesive</u> Automatic labeling m/cs ‘ Neri machines ‘ the distance between each 2 successive labels is 3mm label dimensions = 80 mm long x 40mm height reel max .diameter = 250-300mm reel core diameter = 70-75 mm fail un winding to be clock wise direction . labels to be from out side of the foil reel and in the position. - One roll sample is need	10.000.000 pcs
02-10-00461 02-10-00462 02-10-00463 02-10-00464 02-10-00465 02-10-00466 02-10-00467 02-10-00468 02-10-00469 02-10-00470 02-10-00471 02-10-00472 02-10-00473	<u>Special inks to print over p.v.c bags</u> (According to 1.C.I, Bermann cod No.) Red K20 Green K40 Blue K31 Black K65 Yellow K10 Terriquaze K34 Violet K37 Marrone K23 Brown K50 Gray Pink White 13-Orange K15	100 liter 100 liter 100 liter 50 liter 25 liter 35 liter 10 liter 10 liter 25 liter 25 liter 15 liter 75 liter 15 liter

02-10-00744 02-10-00745 02-10-00746	<u>Solvent for the inks above</u> 1- Solvent KVS 2-Solvent KVB 3- Solvent KD	500 liter 100 liter 50 liter
02-10-00477 02-10-00478	<u>Glue</u> Strunck –col –S 2-Strunck –col-N	3 000 kg 20 000 kg
02-10-00479 02-10-00480 02-10-00481 02-10-00482	<u>Flex graphic</u> (thermal resistant ink) Blue color Black color Red color Solvent for the flex graphic ink	25 liter 25 liter 25 liter 300 liter
02-10-00483	<u>Non Toxic p.v.c sheath</u> 105 / 0.35 mm weight of roll 14 – 15 kg Core diameter 110 mm Acceptable foreign particle seen under polarized light 3% max	300 tons
02-10-00484	<u>p.v.c tube</u> 6.3 – 7.9 mm weight of roll 17-18 kg Core diameter 170-180 mm	10 tons
02-10-00485	Stopper for I.V solution bag special macrolow stopper T.N.C.A 500 pcs or 1000 / sealed P.E bag 5-10 bags in carton box .	8.000.000

2- PACKAGING REQUIERMENTS & SPECIFICATIONS

02-10-00486 02-10-00487 02-10-00488 02-10-00489 02-10-00490 02-10-00491 02-10-00492 02-10-00493 02-10-00494 02-10-00495	ALUMINIUM FOIL HARD TEMPER,PLAIN, SILVER ALUMINIUM FOILS FOR PHARMACEUTICAL PACKAGING (CAP& TABLET) . 20-25 MICRON THICKNESS , DULL FOIL SIDE COLOURLESS UNPRINTED, LAMINATED WITH 30 gm/m² P.V.D.C , REEL DIAMETER 70-75 MM A- WIDTH 230 MM B- WIDTH 198 MM C- WIDTH 135 MM D- WIDTH 150 MM E- WIDTH 189 MM F- WIDTH 205 MM g- WIDTH 157 MM H- WIDTH 165 MM I- WIDTH 221 MM J- WIDTH 130 MM N.B./ IT IS NECESSARY TO INDICATE : SPECIFICATION OF THE ALUM FOIL (PLAIN). AND QUANTITIES (WT/M²) AND CONSTITUENT OF THE LACQUERED METRIAL USED WITH ALL TECHNICAL DATA INCLUDING THE RECOMMENDED SEALING TEMPAND THE STORAGE CONDITIONS AND SHELF LIFE . 3- APPROVAL FOR ITS USED IN THE PHARMACEUTICAL PRODUCT'S. 4-ONE ROLL SAMPLE IS REQUIRED FOR EVALUATION . 5- EACH ROLL TO BE WARPPED WITH SACK POLYETHYLENE ANDTO BE PACKED IN ASTRONG WOODEN CASES WITH WOODEN BAR INSIDE OF EACH 2 ABOVE REEL .	250 000 meter 250 000 meter 100 000 meter 100 000 meter 750 000 meter 1500000 meter 1000000 meter 1500000 meter 1250000 meter 3000000 meter
02-10-00496 02-10-00497	P.V.C. RIGID P.V.C SHEETS PLAIN TRANSPERANT , COLOURLESS THER- -MOFORMABLE FOR BLISTER OF PHARMACEUTICAL PRODUCTS LAMINATED WITH PVDC 40 gm/m² SUITABLE FOR SEALING AGAINST LACQUERED ALUM .FOIL, THICKNESS 250 MICRON , CORE DIAMETER 70-75 MM : A- WIDTH 240 MM B-WIDTH 208 MM	300 000 meter 300 000 meter

02-10-00498	2-RIGID P.V.C SHEETS, PLAIN , TRANSPERANT COLOURLESS THERMOFORMABLE FOR BLISTER OF PHARMACEUTICAL PRODUCTS (CAPSULES ,TAB & COATED TAB) SUITABLE FOR SEALING AGAINT LACQUERED ALUMINIUM FOIL, CORE DIAMETER 75-76 MM , MAX OUTER DIAMETER 400 MM ,250 MICRON THICKNESS :- WIDTH 207 MM WIDTH 191 MM WIDTH 159 MM WIDTH 167 MM WIDTH 223 MM WIDTH 159 MM ORANGE COLOUR. WIDTH 159 MM Whit opic WIDTH 251MM 400 Miron thickness	1500000 meter
02-10-00499		750 000 meter
02-10-00500		1000 000meter
02-10-00501		1500000 meter
02-10-00502		1250000 meter
02-10-00503		25 000 meter
02-10-00504		25 000 meter
02-10-00505		150 000 meter
02-10-00506	3- RIGID P.V.C sheets plain , white colour thicknes 0.4 mm ,width 130 mm core diameter 70 mm max . out side reel diameter 400 mm (container for vials) N.B/ ONE SAMPLE ROLL IS NEEDED FOR EVALUATION . PACKING/ REEL TO BE WRAPPED WITH BLACK POLYETHYLENE &TO BE PACKED IN ASTRONG WOODEN CASES OF 8 REEL WITH A WOODEN BAR INSIDE THE CORES OF EACH 2 ABOVE REEL .	500000 meter

TOOLS FOR MANESTY ROTARPRESS MK IIA 37

COD NO	DESCRIPTION	QTY
02-10-00507	A-Upper punches diameter 12.0 mm flat beveled edge	120
02-10-00508	-Lower punches diameter 12.0 mm flat beveled edge	120
02-10-00509	- dies 12.0 mm bore diameter	120
02-10-00510	B-Upper punches diameter 12.7 mm flat beveled edge Breadline.	120
02-10-00511	-Lower punches diameter 12.7 mm flat beveled edge plain	120
02-10-00512	-Dies 12.7 mm bore diameter .	120
02-10-00513	C--Upper punches diameter10.3 mm deep concave plain	120
02-10-00514	-Lower punches diameter 10.3 mm deep concave plain	120
02-10-00515	-Dies 10.3 mm bore diameter	120
02-10-00516	D-Upper punches diameter 9.0 mm shallow concave plain	80
02-10-00517	- Lower punches diameter 9.0 mm shallow concave plain	80
02-10-00518	-Dies 9.0 mm bore diameter	80
02-10-00519	E- Upper punches diameter 9.0 mm deep concave plain	80
02-10-00520	- Lower punches diameter 9.0 mm deep concave plain	80
02-10-00521	-dies 9.0 mm bore diameter	80
02-10-00522	F-Upper punches diameter 110 mm shallow concave plain	80
02-10-00523	- Lower punches diameter 110 mm shallow concave plain	80
02-10-00524	-Dies 110 mm bore diameter	80
02-10-00525	G Upper punches diameter 12.0 mm shallow concave plain	80
02-10-00526	-Lower punches diameter 12.0 mm shallow concave plain	80
02-10-00527	-Dies 12.0 mm bore diameter	80
02-10-00528	H-Upper punches diameter 10.3 mm flat beveled edge Brak line.	80
02-10-00529	-Lower punches diameter 10.3 mm flat beveled edge plain	80
02-10-00530	-Dies 10.3 mm bore diameter	80

02-10-00531	J-Upper punches diameter 9.0 mm flat beveled edge paline.	80
02-10-00532	-Lower punches diameter 9.0.3 mm flat beveled edge plain	80
02-10-00533	-Dies 9.0 mm bore diameter	80
02-10-00534	A-Upper punches diameter 5.0 mm flat beveled edge Plain.	74
02-10-00535	-Lower punches diameter 5.0 mm flat beveled edge Plain.	74
02-10-00536	-Dies 5.0 mm bore diameter	74
02-10-00537	B-Upper punches diameter 7.0 mm flat beveled edge Plain.	148
02-10-00538	-Lower punches diameter 7.0 mm flat beveled edge Plain.	148
02-10-00539	-Dies 7.0 mm bore diameter	148
02-10-00540	C-Upper punches diameter 7.1 mm flat beveled edge Brake line.	148
02-10-00541	-Lower punches diameter 7.1 mm flat beveled edge	148
02-10-00542	- Dies 7.1 mm bore diameter	148
02-10-00543	D-Upper punches diameter 7.9 mm flat beveled edge Brake line.	108
02-10-00544	-Lower punches diameter 7.9 mm flat beveled edge plain	108
02-10-00545	-Dies 7.9 mm bore diameter .	108
02-10-00546	E--Upper punches diameter 8.0 mm deep concave plain	74
02-10-00547	-Lower punches diameter 8.0 mm deep concave plain	74
02-10-00548	-Dies 8.0 mm bore diameter	74`
02-10-00549	F-Upper punches diameter 8.0 mm shallow concave plain	74
02-10-00550	- Lower punches diameter 8.0 mm shallow concave plain	74
02-10-00551	-Dies 8.0 mm bore diameter	74
02-10-00552	G- Upper punches diameter 9.0 mm shallow concave plain	74
02-10-00553	- Lower punches diameter 9.0 mm shallow concave plain	74
02-10-00554	-Dies 9.0 mm bore diameter	74
02-10-00555	H-Upper punches diameter 6.0 mm flat concave plain	74

02-10-00556	- Lower punches diameter 6.0 mm flat concave plain	74
02-10-00557	-Dies 6.0mm bore diameter	74
02-10-00558	J-Upper punches diameter 10.3 mm shallow concave plain	74
02-10-00559	-Lower punches diameter 10.3 mm shallow concave plain	74
02-10-00560	-Dies 10.3 mm bore diameter	74
TOOLES FOR KILIAN ROTARY PREES MACHINE TYPE RTS 24 NR.31833-705186-434 ITEM 223:		
02-10-00561	A-Upper punches diameter 5.0 mm flat beveled edge	52
02-10-00562	-Lower punches diameter 5.0 mm flat beveled edge	52
02-10-00563	- Dies 5.0 mm bore diameter	52
02-10-00564	B-Upper punches diameter 5.0 mm shallow concave plain.	52
02-10-00565	-Lower punches diameter 5.0 mm shallow concave plain	52
02-10-00566	-Dies 5.0 mm bore diameter .	52
02-10-00567	C--Upper punches diameter 6.0 mm flat beveled edge plain	52
02-10-00568	-Lower punches diameter 6.0 mm flat beveled edge plain	52
02-10-00569	-Dies 6.0 mm bore diameter	52
02-10-00570	D-Upper punches diameter 6.0 mm shallow concave plain	52
02-10-00571	- Lower punches diameter 6.0 mm shallow concave plain	52
02-10-00572	-Dies 6.0 mm bore diameter	52
02-10-00573	E- Upper punches diameter 7.0 mm flat beveled edge plain	78
02-10-00574	- Lower punches diameter 7.0 mm flat beveled edge plain	78
02-10-00575	-Dies 7.0 mm bore diameter	78
02-10-00576	F-Upper punches diameter 7.0 mm shallow concave plain	78
02-10-00577	- Lower punches diameter 7.0 mm shallow concave plain	78
02-10-00578	-Dies 7.0 mm bore diameter	78
02-10-00579	G Upper punches diameter 7.1 mm flat beveled edge plain	78
02-10-00580	-Lower punches diameter 7.1 mm flat beveled edge plain	78

02-10-00581	-Dies 7.1 mm bore diameter	78
02-10-00582	H-Upper punches diameter 7.1 mm shallow concave plain .	78
02-10-00583	-Lower punches diameter 7.1 mm shallow concave plain	78
02-10-00584	-Dies 7.1 mm bore diameter	78
02-10-00585	J-Upper punches diameter 7.9 mm flat beveled edge brake line.	78
02-10-00586	-Lower punches diameter 7.9 mm flat beveled edge plain	78
02-10-00587	-Dies 7.9 mm bore diameter	78
02-10-00588	K-Upper punches diameter 8.0 mm flat beveled edge	78
02-10-00589	-Lower punches diameter 8.0 mm flat beveled edge	78
02-10-00590	- Dies 8.0 mm bore diameter	78
02-10-00591	L-Upper punches diameter 8.0 mm shallow concave plain.	52
02-10-00592	-Lower punches diameter 8.0 mm shallow concave plain	52
02-10-00593	-Dies 5.0 mm bore diameter .	52
02-10-00594	I--Upper punches diameter 9.0 mm shallow concave plain	52
02-10-00595	-Lower punches diameter 9.0 mm shallow concave plain	52
02-10-00596	-Dies 9.0 mm bore diameter	52
02-10-00597	M-Upper punches diameter 9.0 mm flat beveled edge plain	52
02-10-00598	- Lower punches diameter 9.0 mm flat beveled edge plain	52
02-10-00599	-Dies 9.0 mm bore diameter	52
02-10-00600	N-Upper punches diameter 10.3 mm deep concave plain	52
02-10-00601	- Lower punches diameter 10.3 mm flat beveled edge plain	52
02-10-00602	-Dies 10.3 mm bore diameter	52
02-10-00603	O-Upper punches diameter 10.3 mm shallow concave plain	52
02-10-00604	- Lower punches diameter 10.3 mm shallow concave plain	52
02-10-00605	-Dies 10.3 mm bore diameter	52
02-10-00606	P-Upper punches diameter 10.3 mm flat beveled edge brake line.	52

02-10-00607	-Lower punches diameter 10.3 mm flat beveled edge plain	52
02-10-00608	-Dies 10.3 mm bore diameter	52
02-10-00609	Q-Upper punches diameter 11.0 mm flat beveled edge brake line . .	52
02-10-00610	-Lower punches diameter 11.0 mm flat beveled edge plain	26
02-10-00611	-Dies 11.0 mm bore diameter	26
02-10-00612	S-Upper punches diameter 12.0 mm flat beveled edge plain.	52*
02-10-00613	-Lower punches diameter 12.0 mm flat beveled edge plain	52
02-10-00614	-Dies 12.0mm bore diameter	52
02-10-00615	T-Upper punches diameter 12.0 mm shallow concave plain	52
02-10-00616	- Lower punches diameter 12.0 mm shallow concave plain	52
02-10-00617	-Dies 12.0 mm bore diameter	52
02-10-00618	Y-Upper punches diameter 12.7 mm flat beveled edge brake line.	78
02-10-00619	-Lower punches diameter 12.7 mm flat beveled edge plain	78
02-10-00620	-Dies 12.7 mm bore diameter	78
02-10-00621	Z-Upper punches diameter 11.0 mm shallow concave plain .	26
02-10-00622	-Lower punches diameter 11.0 mm shallow concave plain	26
02-10-00623	-Dies 11.0 mm bore diameter	26
TOOLS FOR MANESTY MACHINE TYPE 900 D.C NO. 135 3869 :		
02-10-00624	A-Upper punches diameter 7.0 mm flat beveled edge Plain	46
02-10-00625	-Lower punches diameter 7.0 mm flat beveled edge	46
02-10-00626	- Dies 7.0 mm bore diameter	46
02-10-00627	B-Upper punches diameter 7.0 mm shallow concave plain.	46
02-10-00628	-Lower punches diameter 7.0 mm shallow concave plain	46
02-10-00629	-Dies 7.0 mm bore diameter .	46
02-10-00630	C--Upper punches diameter 7.1 mm flat beveled edge plain	46

* amended 17 August 2000

02-10-00631	-Lower punches diameter 7.1 mm flat beveled edge plain	46
02-10-00632	-Dies 7.1 mm bore diameter	46
02-10-00633	D-Upper punches diameter 7.1 mm shallow concave plain	46
02-10-00634	- Lower punches diameter 7.1 mm shallow concave plain	46
02-10-00635	-Dies 7.1 mm bore diameter	46

02-10-00636	E- Upper punches diameter 7.9 mm flat beveled edge Brake line.	46
02-10-00637	- Lower punches diameter 7.9 mm flat beveled edge plain	46
02-10-00638	-Dies 7.9 mm bore diameter	46
02-10-00639	F-Upper punches diameter 9.0 mm shallow concave plain	46
02-10-00640	- Lower punches diameter 9.0 mm shallow concave plain	46
02-10-00641	-Dies 9.0 mm bore diameter	46
02-10-00642	G Upper punches diameter 10.3 mm shallow concave plain	46
02-10-00643	-Lower punches diameter 10.3 mm shallow concave plain	46
02-10-00644	-Dies 10.3 mm bore diameter	46
02-10-00645	H-Upper punches diameter 10.3 mm deep concave plain .	46
02-10-00646	-Lower punches diameter 10.3 mm deep concave plain	46
02-10-00647	-Dies 10.3 mm bore diameter	46
02-10-00648	J-Upper punches diameter 11.0 mm shallow concave plain .	23
02-10-00649	-Lower punches diameter 11.0 mm shallow concave plain	23
02-10-00650	-Dies 11.0 mm bore diameter	23
02-10-00651	K-Upper punches diameter 12.0 mm flat beveled edge plain .	46
02-10-00652	-Lower punches diameter 12.0 mm flat beveled edge plain.	46
02-10-00653	- Dies 12.0 mm bore diameter	46
02-10-00654	I-Upper punches diameter 12.7 mm flat beveled edge brake line.	46

02-10-00655	-Lower punches diameter 12.7 mm flat beveled edge plain	46
02-10-00656	-Dies 12.7 mm bore diameter .	46
02-10-00657	L--Upper punches diameter 12.0 mm shallow concave plain	46
02-10-00658	-Lower punches diameter 12.0 mm shallow concave plain	46
02-10-00659	-Dies 12.0 mm bore diameter	46*
02-10-00660	M-Upper punches diameter 5.0 mm flat beveled edge plain	23
02-10-00661	- Lower punches diameter 5.0 mm flat beveled edge plain	23
02-10-00662	-Dies 5.0 mm bore diameter	23
02-10-00663	N-Upper punches diameter 6.0 mm flat beveled edge plain	23
02-10-00664	- Lower punches diameter 6.0 mm flat beveled edge plain	23
02-10-00665	-Dies 6.0 mm bore diameter	23

	Punch for KORSCH PRESSEN 6 PUNCHES TYPE : PH 108 No.1.0054.89	
02-10-00666 02-10-00667	(N.B One set = 7 upper punches + lower punches + 7 dais)	1 set 1 set
	A* punch diameter 5.0 mm flat , beveled edge + dais	
02-10-00668	B* punch diameter 7.0 mm flat , beveled edge + dais	1 set
02-10-00669	C* punch dia meter 7.1 mm flat , beveled edge + dais	1 set
02-10-00670	D* punch diameter 9.0 mm flat , beveled edge + dais	1 set
02-10-00671	E* punch diameter 12.0 mm flat , beveled edge + dais	1 set
02-10-00672	F* punch diameter 7.1 mm flat , beveled edge ,break line + dais	1 set
02-10-00673	G* punch diameter 7.9 mm flat , beveled edge ,break line + dais	1 set
02-10-00674	H* punch diameter 10.3 mm flat , beveled edge ,break line + dais	1 set
02-10-00675	I* punch diameter 12.7 mm flat , beveled edge ,break line + dais	1 set
02-10-00676	J* punch diameter 7.1 mm flat , beveled edge ,break line + dais	1 set
02-10-00677	K* punch diameter 7.0 mm shallow concave	1 set
02-10-00678	L* punch diameter 7.0 mm deep concave	1 set
02-10-00679	M* punch diameter 9.0 mm shallow concave	1 set
02-10-00680	N* punch diameter 10.3 mm deep concave	1 set
02-10-00681	O* punch diameter 12.0 mm shallow concave	1 set
02-10-00682	P* punch diameter 15.8mm deep concave	1 set
02-10-00683	Q* punch diameter 12.7 mm shallow concave	1 set
02-10-00684	R* punch diameter 10.0 mm length , 19.3 mm oblong + dais	
02-10-00685	S* Ellipsoidal shape + dais	

* amended 17 August 2000

02-10-00686	Double door steam sterilizer (Autoclave) size 900 x 1310 x 1550 or equivalent with all necessary accessories to put the unite ple included st st trays and drolly spear parts for 2 years any recowerded optional	4
02-10-00687	EYE DROP LINE : Complet line for production eye drop sterile plastic bottle capcity 5000 bott/hour consist: - filling and closing machine capcity of filling 3 ml-20 ml -self adhesive labelling machine capacity 6000 bottle/ hour - cartoning machine - case pack machine - the machine to be offerd with all necessary accessories to put the live on operation - Any recomerded optional - spaer parts for two years the voltage for the machine must be 3ph-330V –50HZ +N+E -	1 line
02-10-00688	ST.steel fitz mill or similar variable speed 1000,2250,4600 RPM With : All necessary accessories to put the machine line operation Any optional recommended & solty device 10 st.st screem of each 1/8” Round perforation 1/16” Round perforation 1/25” Round perforation Spare part for 2 years including blades V-belts, Bearing The voltage for the machine must be 3PH-380V-50HZ+N+E	6 equipment
02-10-00689	Complete st steel preparation unit for syrup capacity 10 000 L The preparation vessels double jacket with mixer & with all necessary accessories Two storage vessel 10 000 L Spare part for 2 years Any recommended optional	Two unit
02-10-00690	Flutomatic Rotary press tabletting machine capcity 710-3550 tablet / min with : All necessary accessories to put the machine in operation Any optional recommended With complete sets of punches Two sets for each size ,5 mm,7 mm,7.1 mm ,8 mm,9 mm,10.3 mm,11 mm,12 mm,12.7 mm,oblong, ellipsoidal , flat beveled edge ,brake line and concave . Table detuster Dust aspirator Spare parts for 2 years The voltage for the machine must be 3PH- 380V-50HZ+N+E	10 machines

02-10-00691	Variable speed st.st oscillating granuler for Dry granulation with all necessary accessories to put the machine in operation 12 st.st screen each mesh 10,12,14,16 spear parts for 2 years The voltage for the machine must be 3PH-380V-50HZ+N+E	6
02-10-00692	Variable speed Rotary wet granuler(heavy duty) for granulation of wet kneaded mass. With: All necessary accessories to put the machine in operation Spare part for 2 years 6 st.st screen deflerat pore size The voltage for the machine must be 3PH-380V-50HZ+N+E The motor's and all etechiol part to be explosion proof for aqueous and organic	4 machines
02-10-00693	<u>Traditional Tray drier</u> Electrical st.steel cabinet trays drier capacity 150 KG for drying wet granules All electrical part's ,motors ,fam,to be water and alganic solvent proof . Temprature set up ,time set up with controlled board to be included Drying temp up to 150 c St. steel tray's depth not more the 40 mm with trolley	12 unit
02-10-00694	St. Steel electrical siere unite for phamacential powder complete (similar to russel siere unite) 5X each size mesh screen to be offered size 100 micron 150 micron 500 micron 600 micron 900 micron 1250 micron 2000 micron With all necessary accessories Spare parts for 2 years The voltage for the machine must be 3PH-380V-50HZ+N+E	10 machines
02-10-00695	<u>Powder Mixer Granulator</u> St. Steel mixer –granulator capcity 600 L with all necessary accessories Recommended optional Spare parts for 5 years The voltage for the machine must be 3PH-380V-50HZ+N+E	2 unit

02-10-00696	Vials line capacity 200 vial / min : Complete antibiotic powder filling line consist of - washing machine 250-300 vials / min - Laminar flow sterilizing tunnel - Filling sealing machine 200 vials / min - Capping machine , clinching machine with variable speed 250 vials / min - Set of adhesive labeling machine 250 vials / min With all needed accessories to complete the line - Any recommended optional - Spare parts for 2 years - Set of additional change part - Dose weight of powder from 120 mg – 10 g - All the machine to be automatically synchronized - Safety devices and safety guards to be included	1 line.
02-10-00697	Stainless steel with anodized aluminum legs and hand wheel (pressure filter holders –disc for ultra cleaning and sterilizing for liquids) - Filter size 293 mm diameter -Filter area approx 468 cm² -Depth perfecter 257mm diameter - Pressure 8.8 kg / cm² (125 psig) mlet 7 kg/cm² - Sterilization autoclaving up to 134°C	15 units
02-10-00698	<u>Pallet manual hydrolyic operation lifting trucks :</u> - Capacity 2000 kg - lift height 120 mm - Fork length 120 mm - Width across fork 5 years	40 vehicle
02-10-00699	Fully automatic line ointment and cream capacity 100 tube / min Consist of : - Filling machine to fill tube size 5g,15g,25g - Case packer machine With all necessary accessories to complete the line and any recommended optional . The voltage for machine must be 3PH-380V-50HZ+N+E	2 lines
02-10-00700	Disel counter balance fork lift trucks for pallet staker - Capacity 2000 kg approx - Lifting height 2560 mm - free lift 230 mm - Mast extended 3185 mm approx - Mast collapsed 1700 mm height - Width across fork 500 mm - fork length 1120 mm - Spare parts for 5 years	20

02-10-00701	<u>Air compressor :</u> A - Oil free rotary screw compressor series, water cooled oil free compressor 8 –10 bar fre air delivery 12m3/ min Cooling water (1.1-1.4) Cooling air (1.1-1.4) HP 75 –V 380	10
02-10-00702	S - Oil injected screw compressor series water cooled compressor 10-12 bar Free air delivery 12m3 /min Cooling water (1.1-1.4) Cooling air (1.1-1.4) Hp 75 –V 380	10
02-10-00703	R -Portable air compressor Capacity 7 bar 102 psig 43m3 /min , 206 cuft/min	5
02-10-00704	<u>Balances :</u> <u>Description:-</u> Dial head automatic balance Scale range 2.5 kg Scale division 1 g Quick taring device 0.5 kg Maximum load 3kg	20
02-10-00705	Dial head automatic balances Scale range 5 kg Scale division 2 g Quick taring device 1 kg Maximum load 6kg	25
	Cod 02-10-00706 Dial head automatic balances Scale range 10 kg Scale division 5 g Quick taring device 2 kg Maximum load 12kg	20

02-10-00706	Cod 02-10-00707 Dial head automatic balances Scale range 20 kg Scale division 10 g Quick taring device 2 kg Maximum load 24kg	25
02-10-00707	Cod 02-10-00708 Dial head automatic plat form balances Scale range 240 kg Scale division 200g	25
02-10-00708		
02-10-00709	Head automatic plat form balances Scale range 100-120 kg Scale division 100g	20
02-10-00710	<u>Liquid suspension line :</u> Complete line for preparation and filling , packing of liquid suspension consist of : Complete preparation unit capacity 2000 L double jacket mixing vessels included mixer heamoginizer and all accessories for preparation of suspension Two storage resell – with mixer Washing machine capacity 120 bottle / min Filling capacity machine 100 bottle /min Self adhesive labeling machine 150 bottle/ min Cartooning machine 150 box /min Case packer machine 24-30 box/ min With all accessories to complete the line recommended optional Spear part for 2 years The voltage for the machine must be 3PH-380V-50HZ+N+E	2 lines

02-10-00711	Automatic over printing machine for over print Collapsible cartons price for 1 set of digital (0-9) - Spare part for 2 years	6
02-10-00712	Compressed liquid filter unit 12-14 plat for filtration of liquid (syrups) Depth filter diameter 40 x 40 cm Electrical motor pumps to be included similar to karlson compressed filter unit	6
02-10-00713	Variable speed high –flow pump liquid (peristaltic pump) - Nominal maximum rotor speed 100 rpm - Speed carton ratio 10:1 - Maximum power consumption 200 ra The voltage for machine must be 3PH-380V-50HZ+N+E	6
02-10-00714	<u>Forklift lifting trucks :</u> Electric counter balance fork lift truck for pallet stacker capacity - Approx. 1250 kg - lifting height 2560 mm - Free lift 230 mm - Mast collapsed 1700 mm high - Mast extended 3185 mm approx. - Width across fork 500 mm - Fork length 1120 mm Each unit the following accessories Batteries 24V 210 AH (Extra) Batteries charger unit E24/30 Spare part for 5 years The voltage for machine must be 3PH-380V-50HZ+N+E	20
02-10-00715	Diffusion and bubble point integrity testing of membrane Filter systems	10
02-10-00716	Air scan air sampler unit Together with gelatin membrane filter disposable constitute ,for quantitative detection of air micro gamisms in clean rooms and isolators	10
02-10-00717	Deblistering machine suitable for tablet and capsule with all accessories for diffren size of tablet and capsule	20 units
02-10-00718	Laboratory automatic capsules filling machine capacity 2000 –3000 Caps/ hour To fill pellets , pellets + powder , powder only in capsule 00, 0 , 0EL, 1, 2, 3	4 machine

02-10-00719	<u>Filters:</u> Cellulose Acetate filter type 293 por size 1.2Mm-25 paper per Box.	100 box
02-10-00720	Class fiber –pre filter type 257-50 paper per Box	50 box
02-10-00721	Cellulose Acetate filter 142 por size 1.2 Mm ,50 paper /Box	100 box 100 box
02-10-00722	Class fiber per filter type 124-50 paper per box	50 pcs
02-10-00723	Supper microne –wynd filter , DPPY 1 micron	200 psc
02-10-00724	Pall cartige filter type MCY 4463 BP por size 0.45Mm	10 pcs
02-10-00725	<u>MACHINE:</u> Manual printing machine for 12 figer to print paper labeling	10 pcs
02-10-007026	Manual printing machine for 14 figer to print P.V.C Bags.	1 1
02-10-00727	Dust remover machine	4
02-10-00728	Electrical Autonomous floor cleaning machine	2
02-10-00729	Water Vacuum cleaner	
02-10-00730	High frequency bag welding machine to weld lay flat P.V.C sheath thickness 0.35 mm with different wedth to produce bags of volume (100,250,500,1000,2000,3000) capacity : 1500-3000 Bag / h	7 2
02-10-00731	High frequency tube welding machine to weld tube dia 6.3/7.9 mm capacity 500-1000 Bag/h	
02-10-00732	Bags washing machine to wash P.V.C Bags ,size(100,250,500,....,3000 ml) capacity: 2000 Bag/h with rotating base for the nozle for injection of water to wash fully bags	2
02-10-00733	Stoppers washing machine to wash special macrolon stoppers T.N.C.A with rotating base for the nozed for injection of water inside the Bags (pressure of injection water (not less than 1.5 bar) capacity : 2000 stopper /h	2 7

02-10-00734	Automatic filling machine to fill P.V.C bags (100,250,500,.....,3000ml) with digital motor for the quantity filled in the bag operated with legt badale capacity (1000-3000 bag/h)	7
02-10-00735	Automatic over wrapping machine to wrap P.V.C bags size (100mlto 3000 ml) using P.E roll, thickness 60-75m welded using heat elements.	1
02-10-00736	Bags seperating machine Output : 5000 Bags/h in continous opration to separate bags size (100 ml, to ,3000 ml)	1
02-10-00737	Mechanical cutting machine for tubes Output : 5000 cuttings / hour in continous	1
	seperation	
02-10-00738	<u>CHILLERS :</u> Compleat unit reciprocating liquid chillers air cooled packages with all necessary accessories to put the chiller in operation Capacity 200 tons. Cycle 50 Voltages 380 v Ambient temperature (40-55) c Refrigerant R22	5 units
02-10-00739	Complete unit screw liquid chiller air cooled packages with all necessary accessories to put the chiller in operation Capacity 200 tons. Cycle 50 Voltages 380 v Ambient temperature (40-55) c Refrigerant R22	5 units
02-10-00740	Complete unit reciprocating liquid chiller air cooled packages with all necessary accessories to put the chiller in operation Capacity 120 tons. Cycle 50 Voltages 380 v Ambient temperature (40-55) c Refrigerant R22	6 units
02-10-00741	Complete unit screw liquid chiller air cooled packages with all necessary accessories to put the chiller in operation Capacity 120 tons. Cycle 50 Voltages 380 v Ambient temperature (40-55) c Refrigerant R22	6 units
02-10-00742	Complete air handling unit with all necessary accessories Capacity 5M3/S 10 tons.	32 units
02-10-00743	Complete air handling unit with all necessary accessories Capacity 10 M3/S 20 tons.	44 units
02-10-00744	Complete air handling unit with all necessary accessories Capacity 15M3/S 40 tons.	10 units
02-10-00745	Complete air handling unit with all necessary accessories Capacity 3M3/S 10 tons.	48 units

02-10-00746	Complete air handling unit with all necessary accessories Capacity 7.5 M3/S 20 tons.	48 units
02-10-00747	<u>Pumps for Air handling units:</u> - pump 30 kw - 380 v , 1450 r.p.m Hd= 25M Q 500 u.s G.P.M	20
02-10-00748	- pump 30 kw -380 v , 3000 r.p.m Hd= 50M Q 750 u.s G.P.M	20
02-10-00749	- pump 30 kw -380 v , 1450 r.p.m Hd= 30M Q 650 u.s G.P.M	20
02-10-00750	- pump 30 kw -380 v , 3000 r.p.m Hd= 60M Q 950 u.s G.P.M	20
02-10-00751	<u>Central suction units :</u>	
	ventilation unit complete with all necessary accessories – Bag filter type	30
	Q = 2M3/Sec motor power 3 kw , 1500 r.p.m ,380 v ,50 cycle with any recommended optional	
02-10-00752	ventilation unit complete with all necessary accessories – Bag filter type	20
	Q = 4M3/Sec motor power 3 kw , 1500 r.p.m ,380 v ,50 cycle with any recommended optional	
02-10-00753	ventilation unit complete with all necessary accessories – Bag filter type	30
	Q = 1.5M3/Sec motor power 2 kw , 950 r.p.m ,380 v ,50 cycle with any recommended optional	
	<u>Specification for 33/11 kv subsatation 2x10 mva:</u>	
	1) Scope of the tender:	
	The tender includes the design , manufacture , testing packing , shipping delivery CIF mouse on number 2x10	
	MVA	
	Substation with out transferors comprising as the following .	
	33Kv indoor switch gear of single bus-bar comprising	
	Two incoming transformars cubicle (circuit breaker) with voltage transferor Two main transformer cubicles One bus-section cubicles	
	11 Kv indoor switch gear of single bus-bar consisting of	
	Two in coming transformars cubicle with voltage transformer Eight out going feeder cubicle (circuit breaker) One bus sectionalizer cubicle One Auxiliary transformer cubicle Two capacitor bank cubicle Two generator cubicle for 5 MVA each	
	Capacitor bank of 1000 KVAR for 10 MVA transforer 110 volt. DC battery , battery chargers and DC distrubtion 48 VDC battery ,battery chargers and DC distribution board 0.416 KV satation auxiliary switch board Set recommended spear parts for five years of normal operation Tools and handling equipment Safely equipment All relay to be of (GEC sepam 2000) Eearthing resitar for the neutral point of each transformer	
	Material for substation earthing network Mechanical interlock between transformer 33KV side C.B and earthing switch of transformer 11KV side cubicle	

Ambient temperature:

Highest maximum in the shade (50) C for about 6 hours day

Lowest minimum– 10 c

Maximum daily average +30c

Maximum daily average +40c

Air humidity :

Maximum 92% at 40c

Minimum 12%

Yearly average 44%

Technical requirement:**33KV system**

Normal voltage 33000 volts.

Highest voltage 36000 volts.

System 3- phase ,3 wire with neutral grounded by earthing transformer to limit the earth fault current to 300 Amp. Resistance of 21.1 Ohms. To limit the earth fault current to 300Amp.

Frequency 50Pz short circuit breaker level 25 KA R.M.S at 33 000 volts.

3- phase symmetrical

11KV system

Normal voltage 11000 volts.

Highest voltage 12000 volts.

System 3- phase 3 wire with neutral made for

Earthing through an earthing

Resistance of 21.1 Ohms. To limit the earth fault current to 300 Amps.

Short,circuit breaker level 25 KA R.M.S at 11000 volts.

3- phase symmetrical

L.T. system:-

Normal voltage 416 volt+4%-10%

3- phase 4 wire with neutral solidly earthed

Short circuit breaker level

10 KA R.M.S at 416 V 3 phase symmetrical

Notice:- All the equipment consist of all protection device

	SPARE PARTS FOR Chillers . Carrier Made Specially for Rosloamk LTD Carrier Distribution centrifugal water chiller . Model 19 DK 71314 CN Refrigerant R11 . Field charged . Serial NO . 40897 Note The size of the compressor that written on the compressor is 19 DH 31 – 0027.	
02-10-00754	Over all Repair list for compressor Model 19 DK 71314 CN 1- Motor housing O – Ring 2-V Band Coupling 3-O- Ring 4- Demistry assy 5- Demistry gasket 6-Coupling Vol . TO trans O-Ring	3
	Main Bearing	
	Nut	
	Gas, Labyrinth O- Ring	
	Coupling	
	GV to Volute O- Ring	
	Labyrinth	
	Impeller Shim	
	Screw	
	Nosecone	
	Washer	
	Pin	
	Impeller lcey	
	Hi- Speed stutic seal	
	Hi- speed Laby O – Ring	
	Switch	
	O- Ring	
	Gear Package	
	Laby	
	Bell End bearing	
	Rear motor Brg O- Ring	
	Bearing	
	Thrust Brg . and Shaft complete	
	Compressor transmission Complete	
	Guide Vane and blad ring complete	
	Bushing	
	Cable	
	Bushing	
	Shaft seal O –Ring	
	Shaft seal O- Ring	
	Shaft seal O- Ring	
	Oil filter O- Ring	
	Oil filter O- Ring	
	Oil filter	
	Oil pump Gasket	
	Oil cooler Gasket	
	43- Oil reg Valve O – Ring	

02-10-00755	Actuator Motor	3
02-10-00756	Oil pump	3
02-10-00757	Control panael	3
02-10-00758	Oil theermostat	3
02-10-00759	Oil heater	3s

	SPARE PARTS FOR CHILLERY „ Trane „ 88190 GOLBEY FRANCE ECVGB 080 KALTENALGE BAUJAHR 1986 TYPE ECVGB 080 FABRIK NUMBER E 83689 KALTEISTUNY 2785 KW KALTE MITTERE R12 FULLGE WICHT 750 KG ZUL ASSIYER BETVIEB SUBER DRUCK ND/HD 10.5 BAR ORDER NO 17F 719 Model No ECVGB M1MBGTH2S AEH2SAD 1336E 31000000 A1D Serial No E 83689 Comp Eccgb 080 E1AGTTB	
02-10-00760	Over all Kit REPEAR	3
02-10-00761	Actuator PST – 0072	3
02-10-00762	Oil Pressure control CNT 033 E	3
	Capacity Control module PNL 341E replaced by MOD – 0012	3
02-10-00763	Heating Element HTR 439	6
02-10-00764	Printed circnit board BAS 046 E	6
	Motor Oil Pump Mot 1313	
	Thermo Vegulator PLN 8860 replaced by Mod –0012	6
02-10-00765	Oil Pump PMP – 462	4
02-10-00766	Bracket BRK –046 E	6
02-10-00767	Lever LEV – 001 E	4
02-10-00768	Adaptor ADP – 002 E	3
02-10-00769	Adaptor ADP – 003 E	3
02-10-00770	Oil Pump timer – 1 min TRM 015 E	3
02-10-00771	Fuse 125 A For chilled water Pump	3
02-10-00772	Chilled water Pump K-SB Etanorm	3
02-10-00773	G 100 – 250 GI –2900 R . P.M	3
02-10-00774	- Motor for chilled water Pump „Schorch„ Type KA 3250 M-	4
02-10-00775	AB	50

Cod	DESCRIPTION	CODE No.	QTY
	AIR COMPRESSOR :-		
02-10-00776	HH-WN RECIPROCATING AIR COMPRESSOR Reciprocating Air Compressors Model : WN112F(13 ½ / - 8)- 120kw 8.8 kgf/ cm2[G] - 800Nm3/hr, Water – Cooled, Non- Lubricated , V- formed, Two Stages, Double-Acting Including 120 kw –ODP (4p) Motor-AC380V-3Ph-50Hz Star-delta starter , After cooler ,Rust-proof and Seaworthy-packing		1 unit
B.	SPARE PARTS FOR THIS COMPRESSOR:-		
02-10-00777	CENTER CYLINDER 13 ½”	CD121502	1
02-10-00778	PISTON 13 ½”	CE121600	1
02-10-00779	PISTON 8”	CE121800	1
02-10-00780	PISTON ROD PACKING ASSY	CE111900	5 sets
02-10-00781	CUSHION PLATE, (OUTER)	CE142005	50
02-10-00782	BACKING PLATE, (OUTER)	CD122004	20
02-10-00783	VALVE PLATE, (OUTER)	CD142005	30
02-10-00784	VALVE SPRING, (OUTER)	CE122006	50
02-10-00785	CUSHION PLATE, (INNER)	CE142009	30
02-10-00786	BACKING PLATE, (INNER)	CD122007	20
02-10-00787	VALVE PLATE, (INNER)	CD142008	30
02-10-00788	VALVE SPRING, (INNER)	CE122009	50
02-10-00789	DISCHARGE VALVE SEAT GASKET	CD122011	20
02-10-00790	INLET VALVE SEAT GASKET	CD122011	20
02-10-00791	LOCK WASHER FOR VALVE	CD122012	130
02-10-00792	VALVE COVER GASKET	CD121523	20
02-10-00793	DIAPHRAGM FOR INLET VALVE CAGE	CD172313	20
02-10-00794	YOKE FOR INLET VALVE CAGE	CE172307	8
Cod	DESCRIPTION	CODE NO.	QTY
02-10-00795	ACRON NUT GASKET FOR DIS VALVE CAGE	CD122206	30
02-10-00796	ROD PACKING (CARBON)	CE128404	30
02-10-00797	SPRING FOR ROD PACKING	CE111905	30
02-10-00798	CARBON PISTON RING 8”	CE218401	4
02-10-00799	CARBON PISTON RING 13 ½”	CE128401	4
02-10-00800	CARBON BULL RING 13 ½”	CE128402	2
02-10-00801	SLEEVE FOR PISTON RING	CE121610	30
02-10-00802	SPRING FOR PISTON RING	CE181811	30
02-10-00803	PLUNGER FOR PISTON RING	CE121611	30
02-10-00804	SCRAPER RING (A)	CD980601	4
02-10-00805	SCRAPER RING (B)	CD980602	4
02-10-00806	SCRAPER RING (C)	CD980603	4
02-10-00807	KNOCK PIN FOR SCRAPER RING	CD980605	10
02-10-00808	SPRING FOR SCRAPER RING	CD110613	10
02-10-00809	WRIST PIN METAL	CD111407	3
02-10-00810	BIG END BOLT	CD111403	4
02-10-00811	FELT FOR OIL FILTER	CD111212	30
02-10-00812	STEEL PIPE FOR OIL FILTER	CD111223	1
02-10-00813	GASKET FOR MAIN TUBE PLATE OF I/O	CD330213	10
02-10-00814	LOCK WASHER FOR CROSS HEAD	CD111305	10
02-10-00815	OIL PUMP ASSY	CD110900	1
02-10-00816	AFTER COOLER ASSY	CG160200	1
02-10-00817	INTER COOLER TUBE NEST	CD180299	1
02-10-00818	OIL COOLER	CD273203	1

45 kW SPARE PARTS FOR OXYGEN COMPRESSOR

SPECIFICATION: 45 KW VERTICAL 3 ROW 3 SYLINDER 3 STAGE

CAPACITY: 100 M³ /H

WORK NO.: SO/ 22-0131

MACHINE NO.: OT-33F12

M.F.G DATE: OCT./ 1977

Cod	DESCRIPTION	CODE NO.	QTY (units)
02-10-00819	1 st STAGE PACKING	OT3292-4	25
02-10-00820	2 nd STAGE PACKING	OT3299-3	50
02-10-00821	3 rd STAGE PACKING	OT3297-2	75
02-10-00822	1 st LINER	OT3298-2	2
02-10-00823	2 nd LINER	OT3296-2	2
02-10-00824	3 rd LINER	OT3295-2	2
02-10-00825	1 st VALVE SEAT (DIS)	OT5013M-3	2
02-10-00826	1 st VALVE GUIDE (DIS)	OT5013M-4	2
02-10-00827	1 st PLATE	OT5013M-6	4
02-10-00828	1 st VALVE SPRING (DIS)	OT5013M-11	2
02-10-00829	1 st SET BOLT	OT5013M-12	4
02-10-00830	1 st VALVE SEAT (SUC)	OT5013M-3	2
02-10-00831	1 st VALVE GIUDE (SUC)	OT5013M-4	2
02-10-00832	1 st VALVE SPRING (SUC)	OT5013M-13	2
02-10-00833	2 nd VALVE SEAT(SUC)	OT5014M-3	2
02-10-00834	2 nd VALVE SPRING	OT5014M-5	4
02-10-00835	2 nd VALVE GUIDE (SUC)	OT5014M-4	2
02-10-00836	2 nd VALVE PLATE	OT5014M-7	4
02-10-00837	2 nd SET BOLT FOR VALVE	OT5014M-8	4
02-10-00838	2 nd PACKING FOR SET BOLT	OT5014M-18	4
02-10-00839	2 nd VALVE SEAT(DIS)	OT5014M-3	2
02-10-00840	2 nd VALVE GUIDE (DIS)	OT5014M-4	2
02-10-00841	3 rd VALVE SEAT(DIS)	OT6016M-11	2
02-10-00842	3 rd SPRING	OT6016M-13	4
02-10-00843	3 rd VALVE GUIDE (DIS)	OT6016M-14	2
Cod	DESCRIPTION	CODE NO.	QTY (unit)
02-10-00844	3 rd VALVE PLATE	OT6016M-15	4
02-10-00845	3 rd VALVE SEAT(SUC)	OT6016M-11	2
02-10-00846	3 rd VALVE GUIDE (SUC)	OT6016M-14	2
02-10-00847	3 rd VALVE BOLT	OT6016M-17	4
02-10-00848	3 rd PACKING FOR SET BOLT	OT6016M-18	4

	Spare part For Welding Machine Type Z 3 BS 40 Supplier : Thimonnier S.A. Tel (7) 883.55.55	Cod
4	Oscillator tube BR 1196	02-10-00849
4	Piston type CPUD – N 32- 10- X, SER NO .87 – 8256	02-10-00850
2	Piston type CPUD-T-50-165,PF-PM	02-10-00851
2	Piston type CPUD-T-50-130 DPA –12 Ser. NO . 88/8687	02-10-00852
2	Piston Type CPUD –T-50 - 325	02-10-00853
2	Base plat L = 80.7 CM , WIDTH = 60.7 cm, Thickness = 2mm	02-10-00854
2 sets	Welding Electrodes size 500 ml	02-10-00855
2	Scraper holder	02-10-00856
2	Double- balancing holder for scraper Complete with shaft .	02-10-00857
4	Brake for serigraphy machine	02-10-00858
2	Rubber roller for pulling P.V.C	02-10-00859

	BAGS SEPARATING MACHINE Type : VIFOR Supplier : VIFOR	
	DESCRIPTION	
1	Motor with Gearbox complete	02-10-00860
1	Set of S.SROLL complete	02-10-00861

	SPARE FOR TUBE WELDING MACHINE Type :M2 –B4 –1 Supplier : VIFOR Manufacturer :Thimomer	
	DESCRIPTION	
7	Oscillator tube T- 130/1	02-10-00863
7	Foot switch type 358-945 maxpreslobar	02-10-00864
14	Air regulator type RFU483 CAMOZZI	02-10-00865
8	Piston type stroke	02-10-00866
8	Micro swich 5A250V- 83101	02-10-00867
7	Timer MN2 for changing polarity type SAIA	02-10-00868
7	Timer MNI for welding type SAIA	02-10-00869
7 set	Electrode (top &Bottom)	02-10-00870
28	Needle	02-10-00871
10	Holder from Brass forb needle	02-10-00872
7	Contractor K3 type CMC MR3 /5 6A	02-10-00873
	SPARE PART OR BAG WASHING MACHINE TYPE: pharmpack – RIB16H-NR 200 SUPPLIER :VIFOR Manufacturer : pharmapack	Cod
	DESCRIPTION	
2	Motor with gearbox complete	02-10-00874
2	Carrier disk NO- 18	02-10-00875
2	DISTRIBUTOR DISK NO –17	02-10-00876
2	DISK CAM NO- 16	02-10-00877
2	FLANGE bearing NO – 15	02-10-00878
2	Supporting ring , top – 51	02-10-00879
2	Supporting ring bottom 52	02-10-00880
2	Piston NO- 47	02-10-00881
2	CASING NO – 46	02-10-00882
2	CASING NO – 44	02-10-00883
2	Piston NO –43	02-10-00884
2	DISTRIBUTOR – CASING NO – 45	02-10-00885
4	CASING NO – 40	02-10-00886
2	PISTON NO- 39	02-10-00887
2	PISTON NO – 38	02-10-00888
2	PUMP NO – 35	02-10-00889
2	Solenoid valve NO –61	02-10-00890
2	Corner valve NO – 62	02-10-00891
2	FILTER CASING NO –5g	02-10-00892
2	Flange NO – 20	02-10-00893
2	Covering disk NO 21	02-10-00894
2	Arton NO – 22	02-10-00895

	SPARE FOR STOPPERS WASHING MACHINES TYPE : STRUNCK RAND A01 , MACHINE NO – 6181008402 – COM11015119 SUPPLIR : VIFOR MANUFACTURER : STRUNCK			
QTY	ORDER NO.	SHEET NO.	DESCRIPTION	Cod
2	2	2	Joint	02-10-00896
2	3	2	Distributor head	02-10-00897
2	4	2	Distributor	02-10-00898
2	5	2	Joint	02-10-00899
2	6	2	Distributor plate	02-10-00900
2	7	2	Shaft	02-10-00901
2	10	2	Bearing Disc	02-10-00902
6	21	2	Cup spring	02-10-00903
2	22	3	Disk	02-10-00904
2	27	3	Carrier disk	02-10-00905
2	28	3	Counter disk	02-10-00906
16	35	1	Spouting tubes	02-10-00907
16	36	8	Shower tubes	02-10-00908
2	37	8	Screw socket	02-10-00909
32	42	6	Injection Nozzle	02-10-00910
2	20	5	Splash protection	02-10-00911
2	51	1	Splash hood	02-10-00912
2	53	9	Filter complete	02-10-00913
20	60	10	Filter inset	02-10-00914

SPARE PART FOR SUPER STILL MASCRINI**TYPE : FA500 HR****SUPPLIER : VIFOR****MANUFACTURER : STILMAS**

QTY	SHEET NO.	DESCRIPTION	Cod
2	Sheet 1-of1	Floating switch (ie4)	02-10-00915
2	Sheet 1-of1	Feed water solenoid valve (isi)	02-10-00916
5	Sheet 1-of1	Solenoid valve for heating steam (3si)	02-10-00917
5	Sheet 1-of1	Steam solenoid for automatic Service (4s1)	02-10-00918
1	Sheet 1-of1	Soty concentrated discharge Electro pump (6M1)	02-10-00919
1	Sheet 1-of1	Distilled water Electro pump (7m2)	02-10-00920
2	Sheet 1-of1	Floating switch (9e3)	02-10-00921
2	Sheet 1-of1	Floating switch (distilled water)7e4	02-10-00922
1	Sheet 1-of1	Heat exchanger (3)	02-10-00923
1	Sheet 1-of1	Heat exchanger (salty concentrate)3/1	02-10-00924
5	Sheet 1-of1	Level water indicating glass	02-10-00925
6	Sheet 1-of1	Adjusting cock for running operation 70-71-72	02-10-00926
2	Sheet 1-of1	Manometer (12)	02-10-00927
2	Sheet 1-of1	Steam trap (15)	02-10-00928
4	For compressor 125 FA 350	Bearings Nu 2210	02-10-00929
4	For compressor 125 FA 350	Ball bearings 22210 CJ	02-10-00930
10m	For compressor 125 FA 350	PACKING	02-10-00931
10	For compressor 125 FA 350	Sealring	02-10-00932

SPARE PART FOR VOLVMENTRIC FILING UNIT

TYPE :VIFOR

SUPPLIER :VIFOR

Cod	DESCRIPTION	SHEET NO .	Qty
02-10-00933	P.C. board for main supply TL3220-211 DIESSEL	009-02-82-011-000	7
02-10-00934	Setting and adjusting element P.C. board TL 3220-20g –DIESSEL	008-02-82-402-000	3
02-10-00935	Really P.C.board TL-3220-210	008-02-82-403-000	7
02-10-00936	Maine fuse NO .(9)	008-06-82-002-000	40
02-10-00937	Valve fuse NO.(10)	008-06-82-002-000	40
02-10-00938	Cable for pick-up system NO.-12	008-06-82-002-000	10
02-10-00939	Pck-up probe		10
02-10-00940	Cable for main connection power		10
02-10-00941	Cable for stop key		10
02-10-00942	Emergency stop key		10
02-10-00943	Solenoid valves (st-st) complete With coil 24v a.c		20

SPARE PART FOR CYLINDRICAL AUTOCLAVES

TYPE : VIFOR

SUPPLIER : VIFORÇSwiss

Cod	DESCRIPTION	QTY
02-10-00944	Manometer Heretic DRC 100/211.133 DN 100 Stainless steel G ½ “Scale 1 to 3 bar	6
02-10-00945	Valve Klinger KVD “ PN /6 DN 20	6
02-10-00946	FILTER SAMSON 2N PN 16 DN 20	4
02-10-00947	Pressure reducer regulator valve Samson 39.2 PN 16 DN 20 0.1 TO 1.2 bar	4
02-10-00948	Pneumatic valve Gemini 514 /25 1”	8
02-10-00949	Safety valve Ramseyer 441 PN 16 DN 25 H4 2 BAR	4
02-10-00950	Steam trap spirax sacra FT 11 – 4.5 TV DN 40	8
02-10-00951	Pneumatic valve Gemini 514 /40 1 ½”	4
02-10-00952	Pressure reducer Norgen 11-824-011-1”	4
02-10-00953	Pressure reducer with filter and water tap Festo LFR –1/4-S-7-SM	2
02-10-00954	Check valve Festo H- ¼ “a	4
02-10-00955	Electro-magnet valve Lucifer 132A 54 24 V DC	4
02-10-00956	Pressostat Ashcroft 200 mbar to 4.6 bar	4
02-10-00957	Electro-magnet valve Lucifer 321 K 13 220 V- 50 H2	4
02-10-00958	Safety valve kugler 7470 ½ “	4
02-10-00959	Circulator Grundfoss up 25 –45 220 V – 50 H2	4
02-10-00960	Thermal resistor gauge degussa PT 100 250 mm Special execution	4
02-10-00961	Contact thermometer Haenni 0 to 120 c ⁰ L= 250 mm 3 meters	4
02-10-00962	Pressostate Ashcroft - 1 to 2.3 bar	4
02-10-00963	Micro switch Telemcanique XCK – J562	4
02-10-00964	Electro – magnet Bachofen GTCA 060X43 A01 24 V DC	4

02-10-00965	Manometer Haenni DRC 100/211.133 DN 100 Stainless steel G ½0 -10 bar	4
02-10-00966	Recorder ELME S-16 with special paper and inked -Ribbon	6
02-10-00967	Door gasket LD 3961-82/08-11514	6
02-10-00968	Mechanical shaft seal Type : NO – AR : 96527 NO.CLIENT : 30023 401 SYM : 1158039900 uu50 REF : 876952 NO – NEC OU ART : 7913 243 NORMOPAC 33 + GRAIN 244X 14-47-62-31-13	8
02-10-00969	Carriages and trays Data (per set) Capacity 380 containers of 500 ml Length 1350 mm Width 1000 mm Height 1500 mm	12

SPARE PARTS FOR AIR COMPRESSOR**TYPE : ATLAS COPCO AG 808E**

SERIAL : ARP 823 38g

Supplier : VIFOR

Manufacturer:

QTY	PART NO.	DESCRIPTION	Cod
10	3569	(Filter element) For high efficiency liquid and aerosol removal filter type PD 300	02-10-00970
4	045	Compressor Element	02-10-00971
2	7154	Ball Bearing	02-10-00972
4	5475	O – Ring	02-10-00973
2	2115-	Gasket	02-10-00974
1	01	Roller bearng	02-10-00975
1	2252 7748-3	Drving gear	02-10-00976
1	2158 – 01	Roller bearing	02-10-00977
2	5115	Roller bearing	02-10-00978
1	1619 5177	Seal ring	02-10-00979
	2252 7747	Driven gear	
6		Air INLET	02-10-00980
	1030 0979	Filter	
		Air receiver , oiltank and minmum	02-10-00981
2		Pressur valve	02-10-00982
4	22525 6313-00	Separator	02-10-00983
1	2252 629901	Gasket	
	2252- 7129-80	Minimum pressur valve ,conpi	
		Motor,motor flange and coupling	
	1619 5242	Coupling element	
		Air &oil coder and Fan	
	2253 4947	Fan, Compi	

SPARE PART FOR CHILLER

Type : pcx – 180 H5

Supplier : vifor

Manufacturer : Dunham – Bush LTD

Portsmouth hampshire

England

Cod	DESCRIPTION	NOTES	QTY
02-10-00984	Oil pump	Mod pmp 88 AT 3 Type : 6 MTR : 1013 Voit 400 Frg 50 Thermally protector	2
02-10-00985	Compressor complete with motor	Mod :1615 HHF4 V5 D Serial : 82B 800063 ENE FILE : X4357WP – 0128 volt 380 PH 3 Freq.50	2
02-10-00986	Pilot Expansion – valve Main Expansion - valve	5H TCLE GT 2271 POS : 125 H2 GT : 2597 Frq : 50 H2 Volt : 240 V	2

SPARE PARTS FOR STEAM BOILER

TYPE : VITEX RD – 16

Supplier : VIFOR

Manufacturer : Paul WEBER AG- SWITZER Land

Cod	Descition	Suppliers NO .	QTY
02-10-00987	Spare glasses klinger Gr.VIIA	Weber	6
02-10-00988	Set of gasket for Erw 42	Weber	4
02-10-00989	Safety valve Type : 431 – 433 DN 25-150	Geber Leser	2
02-10-00990	Reflex Liquid level gauges Typs KB - D	klinger	2
02-10-00991	Drain Cock ABL	KLINGER	4
02-10-00992	Flame control box TYPE : LAC 3-025 SERIEL :02 220-240 VN – 50 HZ ts 5sec 3.5 VA	ELCO	2

FILTERS TO LVWA AIR CONDITIONING SYSTEMS

TYPE : LUWA

Supplier : VIFOR

Manufactuer : LUWA Swiss

Cod	DESCRIPTION	QTY
02-10-00993	Pre Filter type FP 85x61	100
02-10-00994	Pre Filter type FP 85X305X610	30
02-10-00995	Pre Filter type FP85X610X508	15
02-10-00996	Hepa filter type RR-S 610X610	50
02-10-00997	Hepa filter type RR-S 305X305	20
02-10-00998	Hepa filter type RR-S 457X457	20
02-10-00999	Hepa filter type RR-S 1525X610	10
02-10-01000	Air filter class 2 15 ½” x1 1/8”	8

SPARE PART FOR WRAPPING MACHINE

TYPE : 010

Supplier : vifor

Manufactuer : CAVANA Company Italy

Cod	DESCRIPTION	QTY
02-10-01001	UPPER –CUTTING AND SOLDERING HNIF	6
02-10-01002	Printed circuit VAR	1
02-10-01003	Thermo-control TCI Type : AIOLS 0-2 450	4
02-10-01004	FLIP –FLOP	2

SPEAR PARTS FOR SCAVENGER FILTER

Type: CHRIST SCB-50

Supplier: VIFOR SA GENEVE

Manufacturer: CHRIST Swiss

Cod	DESCRIPTION	QTY
02-10-01005	Salt pot (C1) ø 400 mm diagram No. Tc1-23-2640d	1
02-10-01006	Main rubber gasket switch over valve(I) (B1) diagram No Tc1-23-2640d	5

SPEAR PARTS FOR SOFTENER FILTER

Type : CHRIST BS-25 CH

Manufacturer: CHRIST

Supplier: VIFOR SA GENEVE

Cod	DESCRIPTION	QTY
02-10-01007	Salt pot (C2) ø 500 mm diagram No. Tc1-23-2640d	1
02-10-01008	Main rubber gasket switch over valve(1 1/2) (B2) diagram No Tc1-23-2640d	5

SPEAR PARTS FOR DEIONIZER FILTER

Type: CHRIST MAXISTIL 10 DUPLEX

Supplier: VIFOR SA GENEVE

Manufacturer: CHRIST

Cod	DESCRIPTION	QTY
02-10-01009	Diaphragms for manual values DN 20 (from diagram Tc123-2640d)	20
02-10-01010	Diaphragms for manual values DN 25 (from diagram Tc123-2640d)	20
02-10-01011	Diaphragms for manual values DN 15 (from diagram Tc123-2640d)	20

SPEAR PARTS FOR SOLUTION PREPERATION

Supplier: VIFOR

Manufacturer: Fristam F. Stamp KG(GMGH&CO)

2050 HAMBURG 80/ Telex 021 7804

Cod	DESCRIPTION	QTY
02-10-01012	Pump complete with motor Type : FP 722F	1
02-10-01013	Mechanical shaft seal complete	5

SPEAR PARTS FOR CHILLERS “ Trane “ 88190 Golbey FRANCE ECVGB 080

Kalteanalge

Baujahr 1986

Type ECVGB 080

Fabrik number E83689

Kalteistung 2785 KW

Kalte mittel R12

Fullge wicht 750 KG

ZULASSIYER BETRIEB SUBER DRUCK ND/HD / 10.5 bar ORDER No. 17F 719

MODEL No. ECVGB 080 M1 MBGTH2SAEH2SAD1336E 31000000 A1D

Serial No. E83689 COMP ECCGB080 E1AGTTB

Cod	DESCRIPTION	QUANTITY
02-10-01014	Over all kit repear	3
02-10-01015	Actuator PST-007E	3
02-10-01016	Oil pressure control CNT 033E	3
02-10-01017	Capacity control module PNL 341E replaced by MOD - 0012	6
02-10-01018	Heating element HTR 439	6
02-10-01019	Printed circuit board BAS 046E	6
02-10-01020	Motor oil pump Mot 1313	4
02-10-01021	Thermo regulator PLN 8860 replaced by MOD – 0012	6
02-10-01022	Oil pump PMP-462	4
02-10-01023	Bracket BRK-046E	3
02-10-01024	Lever LEV-001e	3
02-10-01025	Adapter ADP-002E	3
02-10-01026	Adapter ADP-003E	3
02-10-01027	Oil pump timer-1min TRM 015E	4
02-10-01028	Fuse 125A for chilled water pump	50
02-10-01029	Chilled water pump KSB Etanorm G100-250GI-2900 r.p.m	3
02-10-01030	Motor for chilled water pump schorch Type KA3250M -AB011053 S1 55KW 380 V 100 A 50 Hz 2965 rpm	3
02-10-01031	Complete starter siemens for chilled water motor 3NP 5060-0E-66-110bis 380v 24bis 48v-(0.16bis 0.25A)	6
02-10-01032	Thermostat type (A19 ABC-9104)250V	6
02-10-01033	Solid state motor protection CH-C835AG4 SER.B1	6
02-10-01034	Stator stat RLY 128E	3
02-10-01035	Timer 30min TMR 014E	6
02-10-01036	Relay 110 V RLY 129E	36

02-10-01037	High pressure control CNT 063E	4
02-10-01038	Low pressure control CNT 015E	4
02-10-01039	Circuit breaker RLY 130E	15
02-10-01040	Indicating light LIT 015E	21
02-10-01041	Oil pressure gouge GAG 024E	3
02-10-01042	High pressure gauge GAG 023E	3
02-10-01043	Low pressure gauge GAG 017E	3
02-10-01044	“O” Ring GKT 120E	6
02-10-01045	“O” Ring GKT 119E	6
02-10-01046	Complete high tension circuit breaker(starter) 6.6 KVA	

SPEAR PARTS FOR Steam boilers

TYPE:LOOS

Cod	ORDER NO.	DESIGNATION	TECHNICAL SPECIF.	QUNTITY
02-10-01047	651418	Serro drive type SQM10	<u>220V/50-60Hz</u>	8
02-10-01048	2117041501/2	Oil regulator	¾(Gr.70)	2
02-10-01049	1213622103/2	Control segment		2
02-10-01050	1812740703/0	Burner motor	D160/215-2 50Hz	4
02-10-01051	641 111	Mano meter	0-40 Bar, ¼	4
02-10-01052	641056	Value meter	-1bis -0Bar, 1/4	2
02-10-01053		Rectifier aggregate	DG50-220V-240V/24V	2
02-10-01054	604142	Solenoid valve carr. Ent-less open	Type 322 H7306,R3/8-220V/ 50Hz 14 Walt	4
02-10-01055	604270	Solenoid valve curre. Ent -less closed	Type 121G 2520,1/2 16 Walt 110V / 50 Hz	4
02-10-01056	604300	Solenoid valve curre. Ent-less closed	Type 321H 2520,R1/2 110V / 50Hz 14 Walt	4
02-10-01057	691409	Pressure monitor for full oil	1-10 Bar	2
02-10-01058	1822741304/7	Sensor PT/100	PT 100	3
02-10-01059	121464 1040/2	Solenoid nozzle head	RMS 70 type MDK 80-0/4.8 220 V / 50Hz -60Hz	4
02-10-01060	605 846	Solenoid coil	MDK 80/220V 50Hz	4
02-10-01061	121465 1009/7	Nozzle plate	32D 2,6	4
02-10-01062	121 364 1012/2	Swirl plate	32 W8	4
02-10-01063	181 274 1001/7	Nozzle support	Gr 79	4
02-10-01064	111 974 1007/7	Ignition decode	RMS 70 lim/s	4
02-10-01065	600 117	Burner control	LAL 225 50-60 Hz	8
02-10-01066	600 501	Flame feder	QRA (Uv-cell)	4
02-10-01067	603 112	Ignition transformer	RGMS(2x7000v mit 100%ED)	4
02-10-01068	691 113	Temperature regulator	Rob	2
02-10-01069		Level switch NRS-1-4b	ER 86	
02-10-01070	512 300 0/126/7	Heating body RMS 70	WEV 3/01 220V/380V 500 Walt	4
02-10-01071	691 116	Temperature regulator		4
02-10-01072	5122 100 141/7	Sensor PT 100		4
02-10-01073	642 009	Thermometer	Thermometer 0-160 c	3
02-10-01074	121 346 8502	Pressure gauge	Manometer 0-40 Bar	4
02-10-01075	1970-86	Water level controller	Type RB32/Tuv-Wr-84-315	4

Spear parts for strank line (syrup)/washing machine

H.strunk GmbH+co.

Bosch group

Serial no. : 0182001400

Type machine : RNQ-A16

Year of construction : 1982

02-10-01076	Filter	S248	2
02-10-01077	Cam	RNQ A-16-0-475/1	2
02-10-01078	Thread wheel	SN3054	1
02-10-01079	Infeed band conveyor for bottle	Nr.406-35K-1160.2300	1
02-10-01080	Bottle guide	RNQ A-16-0-484/4	6
02-10-01081	Clutch	RNA A-16-0-445	1
02-10-01082	Chain	RNQ C06-0-052/3	1
02-10-01083	Shaft for band conveyor	RNQ A-16-0-153/1	1
02-10-01084	Motor and gearbox Complete	R25-Sre0-3146-055-4	1
02-10-01085	Pall filter	Mss5002 G716 str.	3
02-10-01086	Nozzle	612-406-17	50
02-10-01087	Bottle holder	RNB A-06-0-044/1	200
02-10-01088	Bottle receiver from glasses	RNQ A-16-0-548	8
02-10-01089	Bottle pusher to conver belt	RNQ A-16-0-547	8
02-10-01090	Conver belt	1.4300	5 meter
02-10-01091	Cam roll bearing KR 30 PP	437057	10

SPEAR PARTS FOR STRUNK LINE(SYRUP)/FILLING MACHINE

H. STRUNK gMBh +CO.

BOSCH GROUP

SERIAL NO. : 018200-1501

MACHINE TYPE :FVR C12

YEAR OF CONSTRUCTION :1982

MADE IN GERMANY

02-10-01092	Conveyer screw entry side 200 ml	FKR A-12-0-1217/198	2
02-10-01093	Knuckle joint member	FKR A-12-0-588	6
02-10-01094	Chain	05 B-2X33 207473	2
02-10-01095	In feed star wheel	FVR A-12-0-178/385	1
02-10-01096	Out feed star wheel	FVR A-12-0-178/385	1
02-10-01097	Curved entry & exit guide	FVR C-12-0-079/167	1
02-10-01098	Bearing for centering arrmt	FNR C18-0-090/23	10
02-10-01099	Presser plate	FNR C18-0-158/5	12
02-10-01100	Flange with thrust bearing	FVR C18-0-082/2	4
02-10-01101	Glass cylinder	Ø 200 400264	1
02-10-01102	Cam-operated pump	F30 0.37 KW	1
02-10-01103	Nipple	FNR C12-0-122/1	12
02-10-01104	O-ring	Ø 13X3X2,4 SN261	30
02-10-01105	Filling pipe	FNR C18-0-042/160	12
02-10-01106	Adjusting nut	FNR C18-0-172/4	10
02-10-01107	Sealing rubber	FVR 2000-V 16/147	12
02-10-01108	Gear unit	E80.1 I=21:1	1

SPEAR PARTS FOR STRUNK LINE (SYRUP)/CAPPING MACHINE

H. STRUNK GMBH + CO.

BOSCH GROUP

SERIAL NO. :018L009702

TYPE : VRR A 04

02-10-01109	Connecting screw conveyer for bottle dia(59)mm	FKR A12-0-1219/51	1
02-10-01110	Gear unit	206 999	1
02-10-01111	In feed star wheel	VSR A04-0-800/945	1
02-10-01112	Out feed star wheel	VSR A04-0-800/945	1
02-10-01113	Curved entry & exit guide for bottle dia 59mm	VSR A04-0-807/244	1
02-10-01114	Cap dispenser	SV83 FUR 28PP	3
02-10-01115	Rolling head complete	VK 15	4
02-10-01116	Control star wheel	VSR A04-0-811/667	1

SPEAR PARTS FOR STRUNK LINE(SYRUP)/ LABELLING MACHINE

H. STRUNK GMBH + CO.

BOSCH GROUP

SERIAL NO. :6182000 404

TYPE : EVW -L01

02-10-01117	Glue tank (order no.72)		1
02-10-01118	Glueing cylinder (order no.73)		1
02-10-01119	Rubber roller (order no.74)		3
02-10-01120	Massage belt (order no.Y107)		15
02-10-01121	Conveyer screw (order no.Y36)		2
02-10-01122	Flat belt 600x7x3 endless type GBTM 734, grey (order no.95)		20
02-10-01123	Plug (order no.92)		10
02-10-01124	Gear wheel with dry bearing MB1220Du(order no.89)		2
02-10-01125	Grasped axle, complete with pinion (order no.90)		2
02-10-01126	Grasped finger (order no.84)		10
02-10-01127	Labeling cylinder complete (order no.93)		1
02-10-01128	Label magazine complete (order no.Y61)		1
02-10-01129	Garden joint E16Xn16x 32 DIN 808 (order no.99)		4
02-10-01130	Garden joint E16x32 Din 808 (order no.100)		4
02-10-01131	Vacuum pump ,dekatorr type U10SB (order no.135)		1
02-10-01132	Body pallet for labelling bottle (order no.Y78)		3
02-10-01133	Slat band chain 38,1x82.5(sn274) (order no.49)		50 meter
02-10-01134	Ink roller type 71L/2		10
02-10-01135	Disco adjustable planetary gear size 03 with-3 phase motor (order no.126)		1

SPEAR PARTS FOR CARMICHAEL LINE(SYRUP)/ WASHING MACHINE

CORBY, NORTHAMPTONSHIRE NN172 DT

TYPE: LF16-63

02-10-01136	Bottle holder		200
02-10-01137	Pall water circulating filter element AB2 H2 - 157(3 micron)		20

SPEAR PARTS FOR CARMICHAEL LINE(SYRUP)/FILLING AND CAPPING MACHINE
 CORBY , NORTHAMPTONSHIRE NN172 DT
 MACHINE TYPE :L112
 SERIAL NO. :L112-129
 M.D: 1989

02-10-01138	Spherical joint PHS16		60
02-10-01139	Belt Lo75-420		3
02-10-01140	Roller bearing NA172916		6
02-10-01141	Roller bearing AB 9-1310 P		25
02-10-01142	U218150 gaskets		50
02-10-01143	Thread roller set complete with bush, spring and roller housing for BECA head		10
02-10-01144	Thrust bearing India 9mm,outdia 17mm,thickness 4.3 mm		40
02-10-01145	Thrust bearing India 7mm,outdia 15mm,thickness 6mm		40
02-10-01146	Star wheel Infeed (plastic disk for bottle 125ml)		1
02-10-01147	Star wheel outlet (plastic disk for bottle)		2
02-10-01148	Complete capping head		10
02-10-01149	Curved entry & excited guide		1
02-10-01150	Infeed conveyer screw		1
02-10-01151	Complete cap vibrator with cap track		1
02-10-01152	Sliding piston		16

SPEAR PARTS FOR CARMICHAEL LINE(SYRUP)/ACEA LABLLING MACHINE
 CORBY,NORTHAMPTONSHIRE NN172 DT
 SERIAL NO. : 727
 MODEL :12T/S1/E1
 M . D: 1989

02-10-01153	Roll bearing NK4030A		6
02-10-01154	Infeed scroll	0612.22.115.31	1
02-10-01155	Body pallet for bottle 125ml	0612.22.115.31	8
02-10-01156	Set sponges (roller of etangalar)	6006.14.007.30	5 set
02-10-01157	Ink roller		10
02-10-01158	Air reduction filler/lubricator unit		1
02-10-01159	Upper disk	6006.02.055.30	1
02-10-01160	Lower disk	6006.02.008.30	1
02-10-01161	Rubber glue roller	6006.10.048.24	4
02-10-01162	Brush	6006.14.016.10	12

SPEAR PARTS FOR LIGUID FILLING AND CAPPING MACHINE (SYRUP)
 V-TONAZZI & COMPANY
 TYPE : C:300

Cod 02-10-01163			
	Conveyer band transporting bottle	No. in catalogue 18	8 meter
	Filling valves	No. in catalogue 20	10
	Vacuum and recovery glass container	No. in catalogue 24	2
	Vacuum pump	No. in catalogue 25	1
	Vibrator group	No. in catalogue 124	1
	Roller group	No. in catalogue 126	2
	Disk with bottle transport trays	No. in catalogue 127	1

SPEAR PARTS FOR CAM-PACKAGING MAACHINE
 SMASH COMPACT/S
 BOLOGNA - ITALY NR-MATRICOLA 1CX21409
 MACHINE SERIAL : C640 SHF 77.9

Cod 02-10-01164			
	Rectangular suckers	HS 17.74 in position B	60
	Carton magazine suckers	HS 17.114	30
	Carton magazine suckers	HS 17.115	30

SPEAR PARTS FOR SELF OEAL DROPS/FILLING MACHINE
 COMPANY NAME V-TONAZZI (MILANO)
 TYPE :RL.S
 SERIAL NO.: 0974858

Cod 02-10-01165				
	PART NAME	PART no. in catalogue	TYPE	QTY.
	RLS/C 300 pneumatic cylinder	87	CDE 27 FAP/75/S	10
	Infeed rotating star	51		1
	Cylinder for dosing piston	85		4
	Prescrewing head	55		4
	Final screwing	67		1
	Compressore		Mod C	1

Spare PARTS FOR CAM PACKAGING SYSTEM (ORAL DROPS)
 COMPANY NAME :CAM (BLOGNA -ITALY)
 SERIAL NO. : C.640 SHF 77.6

Cod 02-10-01166			
	PART NAME	PART no. in catalogue	QTY.
	Rectangular suckers	HS 17.74(in position B)	50
	Carton magazine suckers	HS 17.114(in position B)	30
	Carton magazine suckers	HS 17.115(in position B)	20

SPEAR PARTS FOR ORAL DROPS /WASHING MACHINE
 TYPE MACHINE :O6-50/12-5500

Cod 02-10-01167				
	PART NAME	CO. NAME	SERIAL NO.	QTY.
	WATER FILTER	PALL	MCY 100/ EC	15

SPEAR PARTS FOR PERMUTIT WATER TREATMENT PLANT

Cod 02-10-01168	
DESCRIPTION	QTY.
PNEUMATIC VALUE SED DN2 PS1 150 TYPE 285 (The values from plastic vesistant against acidic & alkaalin solutions)	6
PNEUMATIC VALUE SED DN1 PS1 150 TYPE 285 (the values from palstic resistant against acidic & alkaalin solutions)	12
STRAINERS FROM WATER DEIONIZATION Size of slots N.M.T 0.1 mm (from plastic resistant against acidic & alkaalin solutions)	

SPEAR PARTS FOR ORAL DROPS DEPARTMENT

← WASHING MACHINE

COMPANY NAME : PROT(MILANO-ITALY)

TYPE: 06-50/I2-S500

YEAR OF CONSTRUCTION : 1980

Cod 02-10-01169

PART	CO. NAME	SERIAL NO.	QTY.
WATER FILTER	PALL	MCY 1001 EC	20

↑ FILLING MACHINE

COMPANY NAME : V-TONAZZI (MILANO-ITALY)

TYPE : R.L.S

SERIAL NO. : 0974858

Cod 02-10-01170

PART	PART NO. IN CATA.	TYPE	QTY.
1)RLS/C 300 pneumatic cylinder	87	CDE 27 FAP/75/S	10
2) Infeed rotating star	51		1
3) Cylinder for dosing piston	85		4
4) Pre screwing head	55		4
5) Final screwing	67		1
6) Compressor		Mod. C	1
7) Snapping for product passage value out. Diameter $\varnothing$ = 12.25 mm		Stainless steel	50

CAM PACKAGEING SYSTEM (FOR ORAL DROPS)

COMPANY NAME :CAM (BLOGNA-ITALY)

SERIAL NO. : C.640 SHF 77.6

Cod 02-10-01171

	PART NAME	PART no. in catalogue	QTY.
	1)Rectangular suckers	HS 17.74(in position B)	60
	2)Carton magazine suckers	HS 17.114(in position B)	30
	3)Carton magazine suckers	HS 17.115(in position B)	30
	4)Carton magazine suckers	HS 17.120(in position B)	30
	5) Carton magazine suckers	HS 17.136(in position B)	30

SPEAR PARTS FOR CHILLERS . CARRIER

MADE SPECIALLY FOR ROSBANK LTD CARRIER

Distribution centrifugal water chiller

Model 19 DK 71314 CN

Refrigerant R 11. Field charged.

Serial no. 40897

Note: the size of the compressor that written on the compressor is 19 DH 31-0027

Cod 02-10-01172		
Item No.	DESCRIPTION	Qty.
1.	Over all repair kit for compressor model 19 DK 71314 CN	3
1	Motor housing 0-ring	
2	V band coupling	
3	Ring	
4	Demistry assy	
5	Demistry gasket	
6	Coupling	
7	Vol. To trans 0-ring	
8	Main bearing	
9	Nut	
10	Gas ,labyrinth 0- ring	
11	Coupling	
12	GV to volute 0-ring	
13	Labyrinth	
14	Impeller shim	
15	Screw	
16	Nosecone	
17	Washer	
18	Pin	
19	Impeller key	
20	Hi-speed laby 0-ring	
21	Hi- speed static seal	
22	Switch	
23	0-ring	
24	Gear package	
25	Laby	
26	Beel end bearing	
27	Rear motor bry 0-ring	
28	Bearing	
29	Thrust brg. And shaft complete	
30	Compressor trasmission complete	
31	Guide vane and blade ring complete	
32	Bushing	

	33	Cable	
	34	Bushing	
	35	Shaft sale 0-ring	
	36	Shaft sale 0-ring	
	37	Shaft sale 0-ring	
	38	Oil filter 0-ring	
	39	Oil filter 0-ring	
	40	Oil filter	
	41	Oil pump gasket	
	42	Oil cooler gasket	
	43	Oil reg valve 0-ring	
2.		Actuator motor	3
3.		Oil pump	3
4.		Control panel	3
5.		Oil thermostat	3
6.		Oil heater	3

SPEAR PARTS FOR DIOSNA-MIXER P600 238-058

Cod 02-10-01173				
Assembly group drwg no.	pos.	Designation	Order designation	Qty.
V-belt - Drive A238-16	5	Narrow V-belt(1set)	SPBX LW 2500	3 set.
Drive KS2378-21	4 13 31 34 33 32	Pressuer ring Worm ring radial O-ring O-ring	C 238-25,04 CHVW250,I=10 OR 160-5 Ø 180/210x15MT03 OR 315-4 OR-150-5	8 3 25 15 25 25
Lid KS2651-51	30 31	Sealing Sealing	10x10x3280 silicone 10x10x480 silicone	10 10
Safetylid 238-57	23	Single thrust ball Bearing	104	10
	27	Stripper	AS 32-45-4/8	6
Outlet B250-61	18 -	Stripper sleeve Pneumatic cylinder Consisting of : Grooved ring Pistone guide ring Lip ring O-ring O-ring	206-64.09 teflon DF 100-200,S1,S3 According to SA 974 N32-22(32x48x8) P6D 100 P42 100/88x8,5 OR 184,2x5,7 viton OR 32x3	8 8 8 8 25 25
Outlet B250-61	32 33 39 43	Stripper Sealing Single thrust ball bearing Stripper	225-62.30 teflon 10x10x850 51104 AS 32x45x4/8	10 10 8 8
Preumtic A225-82	50 45 52 44 47	Servicing unit Magnet valve Compressed air filter and reducer Pressure switch Check valve	FRC-1/4 s 25 507.08.0771 LFRN – 1/4 . B O 85/680 R-1/4	4 4 4 4 4
Cutter 28	27	O-ring O-ring O-ring Radial sealing	OR 74-4 OR 55-4 OR 36-4 B1 42/55/7	25 25 25 12
Filter A238-55	7 8	O-ring Filter lose	OR 135x6 Ø 125x410 Dralon-T-silk	25 20

SPEAR PARTS FOR AEROMATIC STR-100 COM. – NO. 9510,
NO. 11691 , NO. 7353

Cod 02-10-01174			
Item	Tool No.	Description	Qty.
1	1	3 phase motor	2
2	3	Pneumatic cylinder	8
3	6	Nylon bearing	20
4	7	2 piece nylon clamp	20
5	10	Rubber ring for flap	20
6	19	Sleeve coupling	12
7	24	Set of inlet air filters	100
8	25	Filter bumper gasket	12
9	26	Frame gasket	12
10	27	Rubber bumper for product container	12
11	30	Pulley	2
12	39	Pneumatic lift gasket	20
13	73	Wire rope for filter suspension	5
14	74	Bracket for filter suspension	4
15	77	Rubber bumper	5
16	78	Plug coupling	4
17	80	Filter frame	10
18	81	Exhaust air filter	25
19	84	Winch	4
20	188	Timer	3
21	189	Push button “on”	8
22	190	Push button “off”	8
23	191	Drying air thermometer	8
24	192	Exit air thermometer	8
25	203	Safety valve	4
26	204	Pressure gauge ,”atomizing air “	4
27	207	Caster wheels	25
28	221	Solenoid valve	3

SPEAR PARTS FOR (RUSSELL)

MODEL /804 , UNIT NO. /1694 ,UNIT NO./1693

Cod 02-10-01175			
Item	DRG. No.	Description	Qty.
1	B13200	Fly wheel housing	2
2	C13204	Flexible coupling	10
3	H2036"2" DH	Motor D90LD frame STD.	6
4	C13147	Comp. Rubber bush	25
5	D13213	Rubber buffer assy.	30
6	C1053	ST.ST. shallow funnel	6
7	C664	Fly wheel shaft	8
8	B1533	Fly wheel	2
9	C14273	Toggle clip	20
10	H1012 30M	Ball bearing(30mm.x72mm. x19mm.)	10
11	H1500"160"X	Rubber Tyrell wheel	25

SPEAR PARTS FOR FITZMILL MACHINE

SERIAL NO.: 23X173 ,13X 171

Cod 02-10-01176			
Item	Part no.	Description	Qty.
1	24045	Type 225 blades	200
2	24043	Blade pins for 240 45	25
3	24269	Complete set of tools	10
4	24115	N.M.D.J 30 bearings	10
5	24168	1.3/16 diameter lock washers	10
6	24169	13/16 diameter lock washer	10
7	24116	oil seals 1.7/16 diameter	10
8	24117	oil seals 1.1/16 diameter	10
9	24176	Dust retainer 37x65x20 long	8
10	24118	½ Vee belts 53 inside length	25
11	24119	½ Vee belts 49 inside length	25
12	24120	½ Vee belts 44 inside length	25
13	24183	3/32 screen type (A)	10
14	24185	1/8 screen type(A)	10
15	24186	5/32 screen type (A)	5
16	24240	10S mesh screen tpye(C)	5
17	24241	12S mesh screen type (C)	5
18	24242	14S mesh screen type (C)	5
19	24243	16S mesh screen type (C)	5
20	24018	motor slide rod bracket	8
21	24019	motor screw bracket	8
22	24020	motor bracket	8
23	24166	Adjusting washer fixed end cap	10
24	24167	Adjusting washer floating end cap	10
25	24168	1.3/16 Diameter lock washer	10
26	24169	13/16 diameter lock washer	10

SPEAR PARTS FOR ROTORGRAN MACHINE

SERIAL NO. : 8Y 187, 33Y 179

Cod 02-10-01177			
Item	Part no.	Description	Qty.
1	4912420	5/16 Tubing Nut.	15
2	4192200	5/16 tubing sleeve	15
3	4909869	5/16 Dia. Copper pipe	10
4	6160221	worm shaft	6
5	4925489	oil fling	8
6	6160100	worm shaft L.H end cap (pulley side)	4
7	6164160	simple belt vee-belt 20/1120	10
8	6164080	driven pulley	3
9	6184400	simplabelt vari-speed pulley	8
10	6164030	speed adjusting screw	8
11	6160110	worm shaft R.H end cap(pump side)	6
12	4902709	8G suddo pump	6
13	4912530	5/16 Dia. Nylon tube	8
14	6164380	rotor drive shaft	10
15	6160581	dual lip oil seal	25
16	6164400	hopper locating ring	8
17	6164390	bearing housing	8
18	6164590	SKF 6011 RS1 ball bearing	8
19	616450	Oscillating bracket	2
20	6160340	Distance piece on worm shaft	6
21	6160170	31 T worm wheel	10
22	6160750	shins for wheel shaft	10
23	4907690	5/16 BSWx2 SKT. HCL. Cap screw	6
24	6161150	crank shaft	8
25	6164440	R.H screen roller assembly	10
26	6164540	L.H screen roller assembly	10
27	4912800	3/8 dia. Nylon tube	10 m.
28	4912820	3/8 tubing nut.	20
29	4910920	3/32 dia. X5/16 grooved pin	20
30	6164600	8DD rack	6
31	16517	mesh 8	2
32	16516	mesh 10	4
33	16515	mesh 12	4
34	16514	mesh 14	4
35	16513	mwsh 16	2

SPEAR PARTS FOR CAPSULE FEEDING MACHINE
MODEL G37 N SERIAL NO. : 4125

Cod 02-10-01178			
Item	Part no.	Description	Qty.
1	429.262	Block	50
2	436.282	Capsule release cam	6
3	482.002	Gasket for tube	40
4	482.041	Gasket ,closing pusher	50
5	482.061	Gasket ,powder container	6
6	482.076	Gasket ,disk and turn-table	6
7	482.078	Gasket	8
8	482.094	Gasket	80
9	490.027	Modular gear	4
10	490.073	Standard modular gear	8
11	496.150	Capsule release lever	40
12	508.001	Compressor spring	10
13	508.006	Compressor spring	60
14	508.023	Compressor spring	2
15	508.027	Compressor spring	30
16	520.067	Pin, dosator holder shaft	40
17	520.069	Pin ,closing counteracting shaft	20
18	520.085	Pin for closing shaft	40
19	520.350	Shaft transfer pin	50
20	552.047	Sector , suction mouth	3
21	552.072	Sector for suction mouth	4
22	555.017	Closing counteracting pusher	40
23	555.027	Closing pusher	10
24	469.151	Upper bushing for pellets S.O	40
25	469.284	Lower bushing S.O	60
26	472.013	Piston for dosator size 0	40
27	472.201	Dosator size 0	60
28	508.034	Compressor spring size 0	80
29	469.152	LID holder bushing for pellets size 1	40
30	469.285	Lower bushing size 1	40
31	472.014	Piston for dosator size 1	40
32	472.203	Dosator size 1	80
33	508.035	Compressor spring size 1	80
34	132.061	Tooth belt 42H200 Z= 84 step ½ SV 1066,80	10
35	124.031	Bearing cage INA K8x11x8	25
36	124.033	Bearing cage	25
37	541.069	Bush	20
38	209.077	Bush	40
39	132.073	Tooth belt 800 H 300 Z=160 step ½ SV 2032	10
40	132.085	Belt for variator L=1700 36x10	15
41	137.100	Single cone type B8272	40
42	139.110	Hose aspirex inner diam 40	25 m.
43	142.011	Ring type G 30x37x4	120
44	142.071	Lip seal H018	120
45	142.081	Ring lip seal int. diam 7.93	120
46	142.116	Scraper type P7-30 inn. Diam 30 out.D.40	120
47	142.131	Scraper WRM 22x16x5	120
48	143.151	Gasket braderna 617 6x6	10
49	144.005	Lubrication dosator type FJB-B-6584 3 SO	40
50	146.103	Filter CFM diam 280 H=300 for mod C3	12
51	146.104	Filter CFM D180	10
52	173.026	Variator type 200 –S hole diam 24	10
53	411.522	Shaft	20
54	429.244	Block	25

55	429.245	Block	25
56	123.159	Thrust bearing	3
57	446.210	Rotary hopper	1
58	411.451	Tube	2
59	478.031	Bush	50
60	209.018	Bush	20
61	449.012	Bush	5
62	209.077	Bush	40
63	541.069	Bush for lower support	20
64	135.007	Lubrication pump	1
65	471.162	Capsule feeding tube size 0	10
66	471.163	Capsule feeding tube size 1	10

SPEAR PARTS FOR ROTARY TABLET MACHINE ROTAPRESS MK IIa
SERIAL NO. : 15365

Cod 02-10-01179			
Item	Part no.	Description	Qty.
1	6566140	Enots D/A cylinder,80mm bore x 50mm stroke	4
2	6566170	Piston rod for end	8
3	6565840	Pulley actuator shaft	4
4	6566180	Belt ,V/S drive ,50and 60 HZ	10
5	6566000	Pulley ,V/S drive	5
6	6566020	Fixed center V/S pulley	6
7	6566130	Sealed ball bearing ,45mm	10
8	6565670	Lay shaft	6
9	6565600	Lay shaft housing	4
10	6488400	Sealed ball bearing ,65mm	15
11	6565630	Clutch mounting plate	10
12	6565690	Inner sealing ring (with "0" ring)	8
13	6565620	Drive pulley	8
14	6392610	Helical pinion ,16T	8
15	6391570	Roller bearing ,LRJ 2 in	10
16	6392620	Worm wheel	8
17	4925999	Worm shaft cap.	4
18	4912459	Combined oil level / filler ,1/2 in BSP	6
19	4940300	Tube nut ,4mm	20
20	6566880	Mech. Tachometer drive	8
21	6565940	Drive gear for lubrication pump	8
22	4940070	Vogel oil pump	5
23	6565930	Bracket for lubrication pump	2
24	6512350	Bush	6
25	6391250	Pinion for lubrication pump	10

26	6640280	Weight adj. Position indicator	8
27	6640290	Knob for weight adj.	6
28	6569180	Weight adj. Meter screw	10
29	6569170	Wedge for weight adj.	4
30	6569010	Housing for weight adj.	5
31	6390150	Key for weight adj. Body	12
32	6569160	Body for weight adj.	8
33	6565900	Driven pulley 50 HZ	4
34	6564520	Tachometer drive disc 61T for 61 and 37 stn. Machines	4
35	6566200	Toothed belt 50 HZ	16
36	6391560	Thrust bearing 4 ½ in.	8
37	6567410	Turret 37 stn. Machines	2
38	6391090	Wheel ,internal helical	2
39	6567370	Guard for lower cam track	3
40	4912420	Enots tubing nut. 5/16 in.	15
41	4922230	Stem elbow ,5/16 in.	10
42	4912380	Enots tubing nut. 3/16 in.	10
43	4922240	Flow regulator banjo type	8
44	6390250	Sliding handle on carrier	6
45	6569400	Tablet thickness adj. Filbow	6
46	6391851	“O” ring	20
47	6391900	“O” ring in gland	20
48	6391871	“O” ring	20
49	6393830	lower roll wheel assy.	4
50	6392661	Bottom pressure link	8

Item	Part no.	Description	Qty.
26	6393320	Bobbin ,B machine	10
27	6392290	“O” ring	35
28	4907559	locking pin	25
29	6569330	tablet thickness adj. Sleeve	4
30	4912380	enots tubing nut. 3/16 in.	6
31	4912190	Bundy tubing ,3/16 in.	6
32	6397290	Lock nut. Bulk head connectors	6
33	6567340	Lub. Oil pressure switch	6
34	6397190	Relief valve	6
35	4912420	Enots tubing nut. 5/16 in.	6
36	4922260	Tec connection, bracketed 5/8 in.	8
37	4912530	Nylon tube ,5/16 in. o.d	10
38	4922230	Stem elbow ,5/16 in.	10
39	6361781	Oil bottle	12
40	6567830	Lubricating block ,upper punch	8
41	4923389	Cap screw , wedgelok skt hd 5/16 in BSW x ¾ in	8
42	6399601	Wear plate man “D” and U.S.”D”	12
43	6392833	Upper lowering cam “D” & U.S “D”	12
44	6456720	Weight adj. Head	8
45	6465811	Arti twist plate	8
46	6458780	Lowering ramp. “D” type tooling	8
47	6393280	Plate, behind roll	6
48	6393050	Control cam U.S.”D”	10
49	6390160	Plastic shim for ejection cam	30
50	6456720	Weight adj. Head	8

51	4939870	Nylon tube (clear),6mm	15
52	4939700	Male elbow adapter,1/8 in BSP-4mm	35
53	4939860	Nylon tube (clear), 4mm	50
54	6567100	Pressure switch ,85 PSI	8
55	4904900	Tee piece	8
56	4939810	Tubing nut, 6mm	8
57	4939510	Vogel distributor ,340 group 343-114	20
58	4939780	Close connector ,M10	20
59	4940170	Vogel distributor ,343-345-11114	8
60	4939840	Enots tubing sleeve ,6mm	25
61	4939810	Enots tubing nut,6mm	25
62	4939500	Oil pump	3
63	6488430	Simplex pressure switch ,80PSI	8
64	6640330	Enots solenoid valve ,50HZ	4
65	4110970	Timer 100 V	4
66	4940270	Nylon tube (black),3/16 in.	8
67	4912100	Connector ,3/16in tube –1/8 in BSP	10
68	4912430	Male elbow ,5/16in tube – ¼ in BSP	10
69	6568610	Air lubricator	10
70	6568620	Air line filter	10
71	6512570	Enots air flow regulator	10
72	6640360	Lucifier , solenoid valve –50 HZ	8
73	4940280	Nylon tube (black) ,8mm	10
74	5666170	Piston rod forkend ,M20	4
75	6512570	Enots air flow regulator	6
76	6457320	Pressure gauge ,”B” machine	4
77	6392020	High pressure braided hose	25
78	6391790	Relief valve	3
79	6457031	Guard over gears	4
80	6095650	Sealing strip on guard	16
81	6397780	Oil liter bush , inter gear	16
82	6396420	Hopper connector	8
83	6561810	Feeder column (with flats)	8
84	6396190	Bracket on feeder bowl	8
85	6560930	Feeder bowl	8
86	6398581	Take –off plate	8
87	6397970	Small paddle	16
88	6458470	Feeder pan.	16
89	6397980	Large paddle	16
90	6397840	Baffle	16
91	6398601	Scraper support bracket	16
92	6398830	Spring on tail over die.	16
93	6398820	Tail over die.	16
94	6398610	Scraper blade	16
95	6398860	Inner tail over die.	10
96	6398770	Bracket for pick-up scraper	8
97	6397910	Blister	16
98	6397710	Seal, 1/8 in. dia bore	8
99	6459231	Top cover on feed frame	8
100	6397960	Shaft in column	6
101	6392824	Upper lifting cam man”D” and U.S.”D”	12
102	6392861	Insert ,upper track man “D” and U.S.”D”	16

SPEAR PARTS FOR ROTRAY TABLET MACHINE EXCELAPRESS

SERIAL NO. : 15795 15796

Cod 02-10-01180			
Item	Part no.	Description	Qty.
1	6620820	Pressure pad	8
2	6565700	Outer sealing ring	25
3	6566080	O ring 35mmx3mm	25
4	6566070	O ring 60mmx3mm	25
5	6565630	Clutch mounting plate	4
6	6565690	Inner. Sealing ring	8
7	6566090	O ring 45mmx3mm	25
8	6565840	Pulley actuator shaft assembly	6
9		Motor	6
10	6644980	Airotmatic accumulator	6
11	6642910	Fixed center vari speed pulley 60 HZ	10
12	4911680	¼ BSP male thread house adapter	8
13	6566160	piston rod lock nut.	10
14	6566140	Cylinder	8
15	6642940	Drive belt size 55	15
16	6565600	Lay shaft housing	6
17	6565670	Lay shaft	6
18	6620820	Pressure pad	6
19	6565610	Drive pulley support	8
20	4940290	8mm nylon tube (blue)	50 m
21	6488400	65m ball bearing	10
22	6565720	pulley outer spacer	8
23	6565730	pulley inter spacer	8
24	6565680	pulley end plate	8
25	6565620	drive pulley	8

26	6642930	Inter tablet chute spacer	10
27	6645310	Brake adapter	8
28	6456810	Skim for worm line	8
29	6647430	1.1/2 mst bearing	8
30	4925509	Oil fling	8
31	6645260	Worm gear (37 station)	8
32	6393950	Worm wheel (37 station)	6
33	4926479	2.1/4 LJT bearing	10
34	6641170	worm shaft extension	4
35	4925629	2.1/4 spacing washer	4
36	6392621	Wheel shaft	4
37	6392510	Sleeve on gear box	4
38	6392610	16 T helical pinion	8
39	5668610	Air line lubricator	12
40	6640360	Solenoid valve 50 HZ	4
41	6566140	Cylinder	3
42	6457810	Facial gauge (37 station)	8
43	6701650	Motor side pressure regulator	6
44	6658620	Air line filter	8
45	6644980	Air automatic accumulator	2
46	6645580	Weight adj. Head	6
47	6645570	Weight adj. ramp	6
48	6645500	Edging strip – cabinet top insert	6
49	6644810	Weight adj. Body	6
50	6644680	Plate behind roll	6
51	6361781	Oil bottle	10
52	6392824	Upper lifting cam U.S.”D”	8
53	6399610	Inset in upper cam body U.S.”D”	20
54	6642100	Bottom lowering cam shim	12
55	6645560	Weight adj. Ramp guide	12
56	6644810	Weight adj. Body	16
57	6645580	Weight adjustment head	16
58	6644680	Plate behind roll	12
59	6393050	Control cam U.S.D type (B)	12
60	6392861	Ejection cam U.S.”D”	15
61	6642091	Pull down control cam U.S.”D”	10
62	6561240	Wear strip (37 station)	8
63	6561260	Wear strip bracket	16
64	6392833	Upper lowering cam U.S.”D”	10
65	6383141	Cam behind pressure roll	12
66		Complete feeder assembly	4
67	6614190	Thrust bearing	20
68	6567410	Turret (37 station)	4
69	6613540	Turret bush	10
70	6391091	Internal helical wheel	4

71	6614190	R.H.P thrust bearing	10
72	6645820	“O” ring	30
73	6451200	Die screw assembly (37 station)	250
74	6565780	Feeder fulcrum pin	20
75	6566300	Feeder support plate	8
76	6641400	Bristol handle	12
77	6560930	Feeder bowl	16
78	6561810	Feeder column with flats	8
79	6459240	Feed frame gasket	20
80	6397910	Blister	20
81	6397970	Small paddle	30
82	6397980	Large paddle	25
83	6398820	Tail over die	30
84	6398610	Scraper blade	20
85	6398601	Bracket for scraper	20
86	6397960	Shaft in column	10
87	6398780	Pick-up scraper	20
88	6397700	5/8 flanged oil liter bush	30
89	6397660	46 T-16 DP gear	15
90	6644410	48 T gear	15
91	6397780	oil liter bush	25
92	6644330	gear cover	25
93	6644390	28 T gear stud	20
94	6397691	T-16 DP gear	20
95	6397680	28 T inter gear	20
96	6397671	28 T inter gear	20
97	6645580	weight adjusting head	12
98	6644810	weight adjustment body	12
99	6390150	key in weight adjustment body	15
100	6569010	weight adjustment housing	4
101	6640290	weight adjustment knob	4
102	6640280	weight adjustment position	10
103	6640320	weight adjustment spacer	10
104	6569190	weight adjustment housing end cover	18
105	6569180	weight adjustment screw	8
106	6640300	weight adjustment detent wheel	10
107	6644800	wedge in weight adjustment	8
108	6644520	feeder drive gear unit	10
109	6644460	feeder drive coupling	12
110	6644450	feeder drive shaft	10
111	4911729	wood ruff key	20
112	6644440	feeder drive housing cover	8
113	6644420	40 T gear	10
114	6569400	tablet thickness adjustment filbow	10
115	6644110	tablet thickness adjustment shaft	8
116	6569390	Carrier for tablet thickness	8
117	4942200	6 mm push -in union	25
118	4940920	6 mm nylon tubing red	50 m
119		complete norgren compressed	4
120	5055-50	dome assembly	5
121	5054-01	screen	10
122	2315-13	“O” ring	15
123	2315-19	“O” ring	15
124	2811-32	gasket , bowl	10
125	3150-04	bowl transparent 0.15 litre (long) (L11-200-MLRB)	6

SPEAR PARTS FOR ROTARY TABLET MACHINE Dry COAT.

TYPE 900 DC NO. 1353869, NO. 1353770

Cod 02-10-01181			
Item	Part no.	Description	Qty.
1	36338	Clutch lever	4
2	36364	Disc clutch type "B"	4
3	38056	Lowering cam (centers)	4
4	38573	10.3 P.C.D pulley 50 cycle	2
5	38114	18 T 8m/m.p chain sprocket	4
6	38116	28 T. 8 D.P bevel	4
7	38151	chain coupling	4
8	36059	scraper plate	8
9	38036	feed frame (centers)	8
10	38760	upper tamping cam	8
11	38759	upper tamping cam clamp	8
12	36205	oil sight lubricator (turret)	8

SPEAR PARTS FOR ROTARY TABLET MACHINE BB3,B

SEARIAL NO. 53A175 46A175 20A161 19 A 161

Cod 02-10-01182			
ITEM	PART NO.	DESCRITPION	QTY.
1	6350020	Pressure LEVERS	6
2	6350040	Eye bottle	10
3	6350050	Forks	10
4	6350060	Pressure adjusting wheel	10
5	6350070	Pressure roll assemblies	10
6	6350090	Lower roll pins	10
7	6350240	Fork pins	15
8	6350260	Pressure lever pins	10
9	6350290	Pressure adjusting spring	10
10	6350340	Worm adjusting screws	8
11	6351290	Column	4
12	6360970	Pressure springs	10
13	6360980	Front lower eye bolt	8
14	6370050	Lower roll carriers	8
15	6370060	Lower roll carriers fulcrum pins	10
16		Starter	5
17	4911400	Circle lips	10
18	4911380	Wood ruff key	20
19		Vair-speed pulley dia bore	4
20		Key	4
21		Motor	4
22	6350420	Worm	30
23	6350540	Hand wheel	5
24	6363710	Ball bearing LJ 1.3/8	15
25	6370590	Ball bearing SKF ALS 10 or RM LJT 1 ¼	15

26	6370660	Shims for worm bearing	4 sets
27	6370690	Worm bearing extension	8
28	6371040	Worm bearing housing	6
29	6371060	Worm housing end cap	8
30	6371080	Flanged spacer	6
31	6371090	Spacer	16
32	6371100	Spacer	12
33	6371470	Tapered worm shaft	10
34	6371480	End cover	6
35	6371490	Circle lip anderton type 1400 1.3/8 dia. Shaft	12
36	6372170	Driven vee pulley 13 PCD 1 ¼ X 13/32 belt	4
37	4913890	Key for worm	10
38	6361781	Oil bottle	20
39	4907689	Key for pulley	10
40	4911500	Drip sight feed lubricator	12
41	6130730	Lower guard lock wheel	6
42	6371890	Rear left hand lower guard	6
43	6371900	Front left hand lower guard	6
44	6371910	Front lower swing guard	6
45	6371920	Rear right hand lower guard	6
46	6371930	Left hand side top cover	12
27	6371940	Front top cover	12
28	6371950	Rear top cover	12
29	6360550	Weight adjusting wheel	8
30	6370160	Pads	12
31	6370170	Wedges	12
32	6370180	Wedges screws	16
33	6370190	Springs	20
34	6370200	Weight adjusting cams	10
35	6370210	Weight adjusting cam sleeves	6
36	6370260	Wedge springs	12
37	6370280	Weight adjusting screws	8
38	6370310	Weight adj. Springs	8
39	6372090	Block on lower cam	12
40	4914620	1/8 dia x7/16 long dowel	10
41	6361560	Die screws assembly –con locking	150
42	6371120	Head –27 hole	4
43	6372120	Head- 35 hole	4
44	6371820	Turret head bush	20
45	6370770	Scraper springs	12
46	6370790	Front take off plate	40
47	6370800	Rear take off plate	16
48	6471980	Delrin feed frame	30
49	6371570	Feed frame angle pieces	10
50	6371670	Guide strip	8
51	6371690	Scraper plate (rear)	40

52	6371680	Guide strip extension	8
53	6372100	Front feed frame assembly –Delrina	30
54	6372110	Rear feed frame assembly-Delrina	30
55	6372210	Front scraper plate	30
56	6351170	Dust nozzles	6
57	6351190	Sleeves	10
58	4900260	5/16 “ BSW x 1” Hex. HD. Screws	50
59	4911500	Drip sight feed lubricator	10
60	6350720	Upper oil pads	25
61	6361780	Oil drip lubricator	10
62	6370930	Upper cam complete	10
63	6370940	Upper cam track lifting side	35
64	6370950	Upper cam track lowering side complete	5
65	6371510	Take out plate	12
66	6350070	Pressure roll assemblies	10
67	6370470	Upper roll pins-complete	16
68	6370480	Pressure rode-complete	8
69	6371020	Upper roll support-complete	6
70	4911380	Wood ruff key	20
71	4911400	Circle lips	20

SPEAR PARTS FOR ROTARY TABLET MACHINE ROTAPRESS MKII

SERIAL NO. 14035 72 , 14042 76

Cod 02-10-01183			
Item	Part no.	Description	Qty.
1	6451520	Size 50 simplabelt pulley (50 cycle)	6
2	6451540	Driven pulley (50 cycle)	2
3	6452440	Hand wheel on top link	6
4	6372060	External circlip	10
5	6392810	Lower cam track guards	12
6	6392823	Upper lifting cam	12
7	6392840	Cam behind press roll	12
8	6392853	Bottom lowering cam	12
9	6392861	Ejection cam	12
10	6392870	Lowering ramp	10
11	6392883	9/16 fill cam	6
12	6392893	5/16 fill cam	6
13	6392900	Control cams	8
14	6392911	Upper cam body	12
15	6392930	Lower press roll	4
16	6393000	Pressure spring	8
17	6393010	Plate behind roll	8
18	6393050	Control cams	8
19	6399600	Upper cam wear plate (with slot)	20
20	6451490	Pressure gauge	8
21	6452050	Tachometer	4
22	6393673	37 station turret	2
23	6451200	Die look screw assy	100
24	6397180	Motor coupling	10

25	6397310	Feeder frame	8
26	6397660	46T -16DP gear	10
27	6397671	28T -16DP gear	10
28	6397680	28T-gear	10
29	6396340	Top cover on feeder	8
30	6397310	Feeder frame	8
31	6397570	Gear plate form	8
32	6397660	46T gear	8
33	6397671	28T gear	8
34	6397680	28T gear	8
35	6397691	52T gear	8
36	6397700	Oil liter flanged bearing	8
37	6397710	Oil seals 1.1/8 bore	8
38	6399430	Gasket on feeder	10
39	4912080	¼ gas 5/16 tube adapter	10
40	4912080	5/16 en. ¼ gas adapter	10
41	4912530	5/16 pulley then tube	8
42	6390670	Tie bars-accumulator	6
43	6391180	Spacing bush-pulley adapter	6
44	6391190	Spacer for clutch	4
45	6391200	Pistone in accumulator	3
46	6391260	Spacer for roller bearing	4
47	6391490	Anderton clutch “B” type	2
48	6391550	7/8 thrust bearing	6
49	6391560	4 ½ thrust bearing	6
50	6391720	Spring-fill indicator	4
51	6391740	Bowden cable complete	4
52	6391750	Tube for accumulator	5
53	6391801	Pump with handle	4
54	6391840	P.O 50046221-“O” ring	20
55	6391850	P.O 45041221-“O” ring with 1 anti-extrusion ring	20
56	6391860	P.O 22520013-“O” ring	20
57	6391870	P.O.20017513-“O” ring with 1 anti.-extrusion ring	20
58	6391880	P.O.23721213-“O” ring with 1 anti.-extrusion ring	20
59	6391210	3/16 tube x 1/8 BSP drip indicator	6
60	6492460	Plug in clutch lever tube	6
61	6397190	Relief valve LY 236	8
62	6397210	Oil strainer LY 386	8
63	6397230	Nippled connector 2-737-3	20
64	6451990	4 BA nylon nuts	20
65	6452020	Adapter for suction hose	6
66	6452070	Female adapter Z179	4
67	4939810	6 mm tubing nut	25
68	4939840	6 mm tubing sleeve	25
69	4939860	4 mm nylon tube	20m
70	4939870	6 mm nylon tube	20m
71	6399610	Insert in upper track	12
72	6391850	“O” ring	20
73	6393800	Upper press. Roll assembly	6
74	6391810	Lower pressure roll assembly “37” serves	6
75	6392530	Bush in column	10
76	6397691	T-16DP gear	10
77	6422940	Pillar for clamp	10
78	6392883	9/16 fill cam	50
79	6392893	5/16 fill cam	50
80	6393673	Turret (37-station)	3

SPEAR PARTS FOR ACCELA – COTA 150

Cod 02-10-01184			
Item	Part no.	Description	Qty.
1	6604150	Drive sprocket	3
2	6495550	Main shaft bearing	4
3	6495560	Main shaft seal	4
4	6850570	Drive shaft complete	3
5	6604560	Main bearing holder	4
6	6483370	Earth contact brush	5
7	6495691	Drive chain	3
8	5002370	Motor	3
9	6601440	Drive pulley	5
10	6606250	Jockey sprocket	4
11	6606230	Jockey sprocket carrier	3
12	6606600	Support roller spacer	4
13	6580240	Support roller bearing	10
14	6580230	Support roller	10
15	6606590	Support roller spindle	4
16	6604060	Hydraulic cylinder bracket	4
17	6499480	Hydraulic cylinder	5
18	6499520	End plate	5
19	6606780	Hand wheel housing plate	3
20	6499550	Hand wheel shaft	4
21	6609050	Gear box	3
22	6601450	Drive pulley	5
23	6601460	Drive belt	10
24	6604510	Drive sprocket	8
25	5003411	Starter	3
26	6606000	Needle roller bearing	12
27	6606190	Upper roll spindle	8
28	6604860	Roller	20
29	6606420	Manifold arm clamp	5
30	6606320	Clamp ring	5

31	6821510	Gun mounting arm	15
32	6830530	Spray arm bearing	5
33	6830540	Spray arm mounting tube	8
34	6830550	Spray arm bearing stud	15
35	6606330	Shims	5
36	6606370	Lock collar	8
37	6821490	Swivel arm	2
38	6830500	Swivel arm block	3
39	6604940	Spray arm plunger	5
40	6605090	Spring	10
41	6606260	Handle shaft	5
42	6604890	Adjustment handle	5
43	6851700	Extractor fan	2
44	6490420	Stop button	10
45	6490410	Green start button	10
46	5003246	220 over load	10
47	6853260	Air velocity gauge	3
48	6604640	Manometer	5
49	6609110	Temperature gauge	5
50	5003207	Start button	5
51	5003360	Jog push button	5
52	5003208	Stop push button	5
53	6551601	Pump unit	3
54	6231070	Rubber tube ½ “bore 1/8 “ wall	50
55	6499020	Syrup pan pipe	2
56	6602080	Fluid control knob	3
57	4949750	8 mm elbow male adapter	4
58	4939870	6 mm clear nylon tube	25m A/R
59	6602210	Metering ball valve	3
60	6602620	Valve spindle	4
61	6602280	Stud elbow	8
62	6605320	Front ferrule	2
63	6605340	Back ferrule	2
64	6602530	12 mm blue nylon tube	25m A/R
65	6602090	Pump control knob	3

66	6602180	3 Way control switch	4
67	6602920	3 Way control knob	3
68	6602350	16 mm male adapter elbow	8
69	4939870	6 mm blue nylon tube	25m A/R
70	6602190	Atomizing air gauge	3
71	6603990	Atomizing air knob	3
72	6602200	Fluid pressure gauge	4
73	4940970	6 mm blue nylon tube	25m A/R
74	01-101-14	Material nozzle (0.5-2.2 mm)	5
75	01-101-19	Cap	5
76	09-001-67	Gasket	5
77	09-001-72	Needle packing	10
78	09-101-03	Gasket	10
79	09-101-04	Gasket	20
80	09-102-02	O ring	25
81	10-302-02	Gland	16
82	11-301-02	Air distributor ring	10
83	20-651-06	Collar	8
84	20-651-07	Needle spring	10
85	20-660-02	Head assembly	8
86	20-660-05	Counter bushing	20
87	20-660-06	Pressure spring	15
88	20-660-07	Needle gland	5
89	20-660-21	Fan spray needle	10
90	20-660-22	Jack	4
91	20-660-23	Micro control screw	4
92	20-660-31	Control piston	8
93	20-660-32	Collar	8
94	20-660-34	Supporting disc	10
95	20-660-35	Spring washer	10
96	20-660-36	Piston screw	6
97	20-600-37	Spring pushing	3
98	20-660-38	Spring pin	4
99	20-600-39	Cap	3
100	20-660-41	Material needle	20
101		Complete spray guns	5
102	4702252	M6x12 slotted pan head	8
103	6602330	8 mm bulkhead fitting	10
104	4939710	Straight adapter	12
105	4940110	Tubing nut	12
106	4939860	4 mm clear nylon tube	25 m
107	6602170	Solenoid valve	4
108	6602580	Spool valve	4
109	6602160	Pneumatic pressure switch	3
110	6602940	12 mm clear nylon tube	25 m
111	6602510	16 mm clear nylon tube	25 m
112	6602070	Pipe connector	10
113	6602300	Equal tee	4
114	6602310	16 mm bulkhead fitting	8
115	6602120	Fluid manifold block	5
116	4939880	8 mm clear tube	25 mm
117	4939650	Straight moil adapter	8
118	6602530	12 mm blue nylon tube	25 mm
119	6602099	peristaltic pump	2
120	6602570	neoprene tube	25 mm
121	030323	Rex son coating unit	2
122	000083	Suction plunger assembly	4
123	023010	Chevron seal	15
124	023015	Chevron seal	10

SPEAR PARTS FOR M80 BLISTER MACHINE
SERIAL NO. S06.037, SO6.042, SO6.043

Cod 02-10-01185			
Item	Part no.	Description	Qty.
1		Pneumatic cylinder UC2 32 x20 farolfi for first pincer	21
2		First pincer	
3		Pneumatic cylinder UC2 40x35 farolfi for pre-heating	7
4		Vacuum pump completed with motor	10
5		Oil seal for above pump	3
6		Vacuum blades for above pump	30
7		Maine drive v-belt S 301/4 –57	21 sets
8		Filter housing complete for vacuum pump	21
9		Filter cartridges for above	14
10		Small screws, washers, nuts,etc of the whole machine	21
11		Water cooling unit assembly	4 sets
12		Water pump completed	
13		Mechanical seal assembly for above pump	5
14		Refrigeration compressor for above cooling unit	7
15		Oil seal + “O” ring for hydraulic cylinder (f.n, N.6)	20
16		The pincer (Fig P,N.1)	7
17		Gear box for main drive machine	21 sets
18		Pulley for above gear box	7
19		Caps springs in forming station ø40-10,2-0,9	7
20		Springs in forming / sealing station	7
21	500125010	Springs for aluf oil brake	100
22	400016252	Springs for idle pincer	20
23	400015923	Compensating roller return springs	20
24	400012068	Bearing No. NUTR 4090	20
25	400015533	Bearing No. NUTR 2562	20
26		Exit pincer springs(drawing Arial)	25
27		Stabilizer springs	40
28	400016178	De-vacuum valve springs	20
29	400040088	Kit gaskets for ø22 sealing oil cylinder	20
30	400016633	Kit gaskets for ø32 pincers cylinder	20
31	506065007		10
32	506065009		20
33	506065082	Kit gaskets for ø40 pre-heating cylinder	10
34	506065080	Kit gaskets for ø50 compensator cylinder	20
35	506050081	Kit gaskets for ø63 pre-punches cylinder	10
36	506060091	OR gaskets for matrix	20
37	506060095	OR gaskets for matrix	20
38	506060027	OR gaskets for matrix	20
39	000000011	Long conveyor belt x ASB30 type TIR 27	7
40	506045013	Bronze muffler 3/8	15
41	506035004	Regulator 1/8 ø 6	15
42	500040149	Nyliner bushes 16L 16F	4
43	506010046	Solenoid valve for pre-heating G50 V24 A.C	3
44	000000012	Different hoses	30 mt.
45	000000013	Pneumatic selector (Drodoni)	4
46	506085000	Hose for closure cylinder	4
		Motor, gear box & chain for cutter blister (Fig. R)	7
		Gear box, chain & sprocket wheel (Fig.R)	7

SPEAR PARTS FOR CARTING HF77

SERIAL NO. C-640-SHF 77-8

Cod 02-10-01186			
Item	Part no.	Descriptions	Qty.
1		Sprocket wheels for carton transport chain (HS-7.14 Z=48x ½ inch)	8
2		Sprocket wheel for carton transport chain (HS-7.6 Z=48x ½ inch)	8
3		Carton transport chain complete	4

SPEAR PARTS FOR COMRESSOR GA355

SERIAL NO. 869970 SERIAL NO. 869971

Item	Part no.	Descriptions	Qty.
1	1616490800	Bearing housing	2
2	1616495000	Gasket	6
3		Rotor	2
4		Rotor	2
5	0508110025	Bearing	4
6	1079508104	Bearing set	6
7	1616492700	Wave spring	4
8	0663714700	O –ring	20
9	0504060006	Bearing	6
10	1615436200	Coupling element	20
11	0663716600	O –ring	20
12	1614567300	Oil separator	15
13	1614582800	Pipe	6
14	0663714100	O – ring	20
15	1619745900	Moisture trap	6
16	2900101700	Drain valve	20
17	0663315202	O –ring	20
18	0663314300	O –ring	20
19	0663713500	O –ring	20
20	1619756000	Thermostat	10
21	1614515800	Filter	20
22	1612398000	Oil filter	30
23	0663313200	O –ring	20
24	0663713500	O –ring	20
25	0663715000	O –ring	20
26	1613322000	Piston	4
27	1619692800	Seal ring	8
28	1612404800	Spring	10
29	1613541600	Housing	4
30	0663713500	O –ring	10
31	1614520300	Piston	5
32	1619619900	Seal ring	12
33	1619620000	Seal ring	12
34	1614553800	Seal ring	10
35	1613401800	Spring	10
36	1202549300	Gasket	10

MACHINE FOR FILLING POWDERS CARMICHAEL –COPPING HEAD

NO. D31-116

Cod 02-10-01187		
Item	Description	Qty.
1	3 Rolls head BECA	2

Spear parts for self adhesive labeling machine (king)

Serial no. LHIN 034

Collimate 70

Cod 02-10-01188			
Item	Serial no.	Description	Qty.
1	7107.120.8	Motor	2
2	7415.041.6	Condenser	5
3	5205.651.6	Magnetic clutch	10
4	5205.655.7	Rolling tool	15
5	5205.654.6	Magnetic break	10
6	7407.034.8	Brushes	30
7	5205.673.5	Brush holder	2
8	7410.035.8	Really	5
9	7405.120.7	Motor control	2
10	7412.010.2	Volume	10
11	5205.794.2	Printed circuit card	2
12	7408.005.1	Transformer	2
13	5205.791.5	Printed circuit card	2
14	5205.796.7	Printed circuit card	2
15	5205.790.1	Printed circuit card	2
16	5205.782.0	Printed circuit card	2
17	7444.027.5	Photocell	5
18	5202.745.6	Photocell receiver	3
19	5205.765.0	Photocell receiver	3
20	5205.761.2	Photocell projector	5
21	5205.818.5	Photocell receiver	5

Spear parts for tablet pressing machine (MANSTY-Rota press) “MK IIA”

Cod 02-10-01189			
Item	Part no.	Description	Qty.
1	6568860	Solenoid valve 100v 50hz (sol,sol6,sol4,sol3)	25
2		Dc feed frame motor type : 43.551.52.5.3.5 0.3 Kw Field = 210v - 0.17 amp Armature = 180v – 2.6 amp	15
3		Speed controller electronic arinted circuit Board for dc motor Type : 433 E5 F = (210v)Dc ,0.17A AR = (0-180v) DC, 2.6A	15
4	6640360	Solenoid valve 110v,50hz sol2	10
5	4109140	Emergency release actuator	5
6	4109540	Positive acting no.2 N-C	5
7	4109160	3 position selector switch	10
8	4109020	push bottom actuator-blue	10
9	4109010	push bottom actuator-green	10
10	5003128	Ammeter (0-15-90A)	15
11	5003129	Ammeter (0-30-180A)	15
12	4109000	Push bottom actuator-red	15
13	6564510	Tachometer (37 station)	4
14	6564500	Tachometer (45,51,81) station	4
15	4109540	POS act. 2 N.C	15

Spear parts for capsule filling machine type G37/N

Serial no. : 4126

MG2

Cod 02-10-01190			
Item	Part no.	Description	Qty.
1	107.060	SenSer	3
2	107.062	Senser with plug	2
3	107.056	Senser	10
4	114.285+114.285	Plug + socket	4
5	114.287+ 114.290	Plug + socket	4
6	111.041	Product vibrator coil	3
7	116.304	Product feeding motor	2
8	107.041	Senser	15
9	114.244+ 114.243	Plug + socket	15
10	097.038	Solenoid valve	5
11	107.042	Sensor	10
12	114.290	Plug	4
13	116.239	Geared motor	1
14	109.002	Break for geared motor	2
15	107.003	Micro switch	12
16	107.013	Micro switch	10
17	099.120	Micro switch housing	4
18	116.067	Machine motor	2
19	135.007	Lubricating pump	1
20	099.010	Pressure switch	1

Spear parts for TMF2 sterilizing tunnel**Ref 9247-LINE 9 carmichal**

Cod 02-10-01191			
Item	Part no.	Description	Qty.
1		PT100 thermal probe	5
2		Complete element heater .(24) heaters each (1.5)kw,220v	2 sets
3		Temperature control stainless steel (EURO THFRN) Type 818	4
4		Teflon door gasket	4
5		Electronic speed control with variable frequency serial no: WD0263,09.56.330.1229 Current = 7amp max. AC motor = 1.5kw max	4

Spare parts for 28CU.Ft double ended hing 0 door unit with variable time**Temperature****Porous loads, and Et by lere oxide gas mixture cycle ,and referring to wiring drawing :****No. : F1138 serial no. : 62/1733**

Cod 02-10-01192			
Item	Part no.	Description	Qty.
1		Arrow switch B5272	4
2		Arrow key switch B7716,B5273x3	2
3		Door limit switch B6584 type 2-15GQ 22	10
4		Limit switch type B0726 B2-2RQ77	5
5		Door motor 240v, 50hz. B13574	3
6		Vacuum switch (10-30"HG) B4799	3
7		Vacuum switch (10-15"HG) B4651	3
8		Ledex rotary switch B4296	3
9		Diode b6619	4
10		E-type temp. switch 30-100°C B6646	4

Spare parts for RM400 printer Ref. 9256

Cod 02-10-01193			
Item	Part no.	Description	Qty.
1		Heater .top	10
2		Heater .lower	10
3		Temperature control	5
4		Probe	5
5		Electronics board for main drive motor type SBC017-1ER	4
6		Speed motor type 16452	2
7		potent/ ometers	4
8		main drive motor type muv 380v,1.85A,2700 apm	2
		variator v100 A0.45 1H	2

Spare parts for (HASSIA) machine**Machine no. :125690482 type :FVP 20/18**

Cod 02-10-01194			
Item	Part no.	Description	Qty.
1		Cylinder sensor PT 100 for horizontal heater (B1)	10
2		Cylinder sensor PT 100 for heater (B2)	10
3	895170113	Heating cartridge	15
4	895170330	Heating cartridge	15
5	009770982	Clutch	15

Spare parts for powder filling machine 3EMME**Type DZ1/2MF Ref 9249**

Cod 02-10-01195			
Item	Part no.	Description	Qty.
1		Clutches NEB 0603210	5
2		Group NEB 0610607	5
3		Timer PDX 2C35 24v AC	3
4		Sensor S1 18C5 NPN VC	3
5		Micro switches Xe NP 102	4
6		Timer CM 50 T/4	3

Spare parts for (Hapa) labeling machine (411-99)

Cod 02-10-01196			
Item	Part no.	Description	Qty.
1	199-08-10-046	Stepping motor	2
2	411-17-11-014	Heating cartridge (85mm)	4
3	411-17-12-000	Printed labeling controller	2
4	411-16-02-000	Printed labeling heat controller	2
5	411-17-11-013	Sensor PT 100	5
6		Complete heated labeling drum	2

Spare parts for powder filling machine Nemo alit .**Type STDI**

Cod 02-10-01197			
Item	Part no.	Description	Quantity
1	AL032/2000/001	Clutch and brake	3

Spare parts for mixer (D10ZONA) P 600

Cod 02-10-01198			
Item	Part no.	Description	Qty.
1		Complete operation panel for Diozona mixer P 600	1
2		Micro switches S2F,S3F referring to diagram no: 238-785	4 each one

Spare parts for explosion proof areas

Cod 02-10-01199			
Item	Part no.	Description	Qty.
1		Florescent lamp, explosion proof 40 watt.	300
2		Florescent lamp, explosion proof 20 watt.	300

Cod 02-10-01200 Spare parts for lighting sterilizing rooms

Ultraviolet tube 15 watt.	
G15 T8 lamp tube	200
Bacterial lamp tube	
No: 928390 04003	
Ultraviolet tube 30 watt.	
G30 T8 lamp tube	200
Bacterial lamp tube	
No: 9280 395 04003	

Cod 02-10-01201 spare parts for lighting streets

1- Sodium lamp with pin sox 55 watt.	200
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Spare parts for thermo forming machine M80

Cod 02-10-01202			
Item	Part no.	Description	Qty.
1		Motor dust cleaner NILFISK	10
2		Really 14 v AC type 3/289	10
3		Really 24v type 3/229 24vAC	10
4		Main drive motor CF 905A4 1.1 kw,1420 R.P.M ,3 ph ,2.8 amp 50 HZ	2
5		PVC roll motor type M634B 0.185 kw ,1360R.P.M ,0.61 amp,50 HZ	2
6		Vacuum pump motor type FAR11 0.75 hp,2780R.P.M ,3ph ,1.5 amp ,50HZ	2
7		Temperature controller ITALMIG TM 96 ,re/503130050,M80	15
8		Solenoid valve type SE 6502	
9		Fork type senser for MPLF 85	5
10		Printed circuit board type DR104 no:11 for MPL	15
11	21660004	Senser PT 1000	15
12		Heating element for PVC preheated 850w,220v	10
13		Heating element for aluminum ceilling 220 v,600 w	50
			20

Spare parts for (UHLMANN) strip packing machine . type H54**Mf. Date 1976 wiring diagram****8.07.100****Cod 02-10-01203**

Item	Part no.	Description	Qty.
1		Cutter counter	7
2		Thermal switch rating (10amp) (100-600F) Dia(16mm) length (95mm)	15
3		Heating cartridges 220v,6x110mm	15
4		Senser (initiator)type IFM IG 3005 BPOG	5

Syrup washing machine LF 16.63 PX 125 charmichel**Cod 02-10-01204**

Item	Part name	SER. No. or type	Qty.
1	Adjustable pipe line pressure switch	74.42 A-X	3
2	<u>Air regulator electric valve</u>	150 5599 size 2 580-272 000.1	3
3	<u>Display OP 393</u>	6ES 5393-04ALL	1
4		EWZN 247	1
5		S5-1004 6ES5 102 8 MA02	1
6	<u>Thermos regulator</u> <u>CPU 102 SIMATIC</u>	6ES5 421-8MALL	2
7	<u>Digital input 8x27 v DC</u> <u>Digital output 8x27v DC 10.5 amp</u>	6ES5 441-8MALL	2

12T S1 E1 Rotary automatic labeler REF 727 charmichel**Cod 02-10-01205**

Item	Part name	SER. No. or type	Qty.
1	P.C board for aviator clutch	E2 R	3
2	P.C board for aviator brake	E3 K	1
3	P.C board for control solenoid valves labeling station	SLS 86	1
4	Mounting base 022 for P.C board E2R+E3K		
5	P.C board layout to control photocells		1
6	Labeler motor 200/380 50Hz	ACS 86	3
7	Bottle counter per minuet	SBC MVK 2040	1
		CETLPC 00.04	1

Cod 02-10-01206**Struck line****Syrup filling & capping machine M/C no: FVR C12**

1- {96} solenoid valve (free flow)	MK 25 NCR 1 inch 24v	2
2- {107} float switch	UVSS 170 GIGA	2
3- control valve CPI FHR	B 18-B-04-3	1

L1/2 /16- 8PP monobloc filler /capper REF carmichel

Cod 02-10-01207			
Item	Part name	SER. No. or type	Qty.
1	Variable speed controllers for asynchronous motors 0.75 to 15kw 380/415v	ALTIVAR5 series 45	1
2	1processore PICO MAT 800/2 electronic card I/ O	32552083-A	1
3	integrated circuit PLS	32552084	1
4	display NEC FM 20x1 DB-A	32552085 1151/0 613 A	2
5		151-860067 151-862113	1

M 82 / FC automatic blister –packer CAM

Cod 02-10-01208			
Item	Part name	SER. No. or type	Qty.
1	Thermos regulator for PRE-heating die		2
2	Unit logic controller	CF 85 MPL	1
3	Compress for water cooling device DORIM 1 hp 220/380 v 1450 rpm 2.5 amp 0.7 kw	Model 100cx SER. no: 88121233A	1

Cod 02-10-01209**Automatic blister –packer NR-0159518062300 PH2**

1- Thermos regulator for pre -heating die TH-solo 2

Cod 02-10-01210**Packaging Machine CAM SER. no. C-640 SHF 77-6**

1- Electronic card MSV-01A 2
2- electronic card MSV-01 PM 4

Cod 02-10-01211**liquid filling machine dis. No. 02747E v.TONAZZI &C**

1- Vacuum pump 1
2- brake for main motor 3

Improvement of production environment

Cod 02-10-01212	
DESCRIPTION	QTY.
Special pump to remove the sludge conventional non clog-slow speed centrifugal pump or mixed flow centrifugal pump, with variable – speed drive to control the recycle , and adjustable timer to control the working pumps alternately every 8 hours Head pumping not less than 10 m. Max capacity : 600 m3/day Normal operational capacity : 550 m3/day	3
Special pump to remove the sludge (45 kw ,1500 r.p.m ,3 ph) Normal operational capacity 190 m3/hr Head pumping up to 50 m (160ft)	2
Air compressors with following specification : Air flow rate capacity up to 25 m3/min Normal operating capacity 12 m3/min Pressure up to 60 b/in2 1000 r.p.m , 40kw ,380 v, 30hp	2
Epoxy coating	1000 liter
Epoxy paint	600 liter
Vertical axes surface aerator with the following specification :-	
a.hemi cylindrical plate cover diam 1.64m and length 4.8 m/gauge 18	2
b.galvanized iron rotor diameter 0.8 m c.rotor speed 80 r.p.m d.rotor fixed angles 12 (3"x 3" x 3/8") e.dimension of aerator galvanized plate C5x15x5) cm f.electrical motor for the rotar ,with the following specification:- electrical motor with mechanical gear boxes and a switch board is used to control the operation of the four motors either manually or automatically with steel cabinet of suitable size, the cabinet shall be solidly earthed and contains all the required switches , meters , contractors , relays , timersetc. four cable feeders emerge from the cabinet to feed of the four motors independently manual mode each motor may be started and stopped independently auto mode using this mode of operation ,two motors 10 cated on one side of the pool shall be operated alternately every 6 hours . two timer switch with preadjusted setting shall be used for this purpose . the period of taking over between the two motor shall be as minimum as possible.	2
1-Electric motors of the induction type with mechanical gear box unit , 3-phase ,4-pole ,380V,50Hz.30hp,rating current ,insulation glass F ,IP 54 ,gear box ratio 1/18	4
2- Isolating switch with fuses ,400v,100a	3
3-Ammeter 0-200 A	1
4-Volt meter with change over switch 0-400 V	1
5-Earthing loops of 50 mm2 capper rods with connecting lead	2
6-Circuit breaker with earth leakage relay 400 V 60 A,3-phase	4
7-Contractor with thermal over load protection and on-off push bottoms 400V,40A,3-phase	1
8-Selector switch 380V,5A for manual ,auto operation	2
9-Timer switch with break before make switch ,24 hour ,220V ,2A	1
10-Steel cabinet of about 100x50x25 cm size with door	
11-Cable PVC sheated 4x25 mm2.	
Set of change parts for injection – blow molding machine type procrea REV 100,ITALY 1-Set of 14 cavities injection- blow molding to produce bottles of 125 ml 12 gm, material HDPE.	1

Blister machine (PH2) Robert Busch serial no. 631791

Cod 02-10-01213

CODE NO.	DESCRIPTION	SERIAL NO.	QTY.
	- Digits (0-9)		15 sets
	Cartoming machine (100 kv) serial no.31/33419 - Digits (0-9)		20 sets
	Blister machine CAM serial no. 506236 - Digits (0-9)		20 sets
	Printing machine HAPA serial no.2606 - Digits (0-9)		150 sets
	Servac blister machine serial no. 51-0723-0176 - Digits (0-9)		15 sets
	Cartooning machine (CAM) serial no. 1c x 21409 - Digits (0-9)		30 sets
	Automatic thermo forming blister machine mod m80 (CAM) 506-037, 506-036 -Digits(0-9) L-H single foot digits		200 sets
	Tube filling machine type C100/38/56 C.O.M.D Italy -Digits(0-9) for metal tubes type V126/A mod 2 -Capilal letter E,B		20 sets 20 each
	Labeling machine (3 trunk) serial no. 6132004 -Digits(0-9) with shape X -Digits(0-9) with shape Y -Digits(0-9) with shape Z		10 sets 10 sets 10 sets
	OCEA labeling machine serial no. 727 model 12T/S1-51 -Digits(0-9)		20 sets
	SELF adhesere labeling machine (King) serial no.LH134 -Digits(0-9)		15 sets
	Labeling machine (HAPA) 411/99 serial no. CH-8600 -Digits(0-9) -Digits A,B,T,S,H,E,X,P		10 set 10 each
	Labeling machine (syrup) struck serial no. 6182000 –404 type EVW – L01 -Digits(0-9) with shape X -Digits(0-9) with shape Y -Digits(0-9) with shape Z		20 set 20 set 20 set
	Labeling machine MAPA 411-n0-38 -Digits(0-9)		10 set

	Car machine syrup filling capping machine type L112-129 M.D 1989 -Complete capping head		9
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SPEAR PARTS FOR SACHET MACHINE HASSIA PACKING TYPE FVP 20/18

Cod 02-10-01214			
	Pulley Gr.20 type sf 20f	00 936 16 08	2
	Binder clutch	00 977 09 02	2
	Cutter (knife)	12 329 10 01	4
	Roller	12 324 70 01	4
	Ac motor ,ND236s	00 937 02 91	2
	Cam	00 937 25 76	2
	Cam	00 937 25 77	2
	Swivel bearing block	12 110 43 02	2
	Needle stop bearing NAST	17 00 922 32 74	4
	Flange	00 920 12 02	2
	Yoke guide	12 127 32 01	2
	Yoke guide	12 127 32 02	2
	Needle bearing NK 16/16	00 932 50 06	6
	Schnecke	00 934 28 02	2
	Kettenrad	00 933 06 41	4
	Flanshlager	12 386 44 01	2
	Traverse	12 380 89 01	2
	Lager	12 380 44 01	2
	Well	12 384 14 01	2
	Schnecke	00 934 28 03	2
	Segment	00 937 42 03	2
	Gleitblech	12 382 59 01	2
	Flang	00 924 12 97	2
	Flang	00 924 12 74	2
	Hebelarm	12 385 02 01	20
	Einlanfkaster	12 380 10 01	2
	Pot-shaped cam	00 937 24 70	2
	Fork head pivot	12 125 14 02	2
	Clamping rocking lever	00 915 08 01	2
	Tapered shaft	12 124 14 02	2
	Sealing jaws		2

SPEAR PARTS FOR PERRY ACCOFIL MODEL E.SUA powder filling machine no-2964

Cod 02-10-01215			
	Bearing support	1034-7B 1297	8
	Seal retainer	1034-7A 1298	8
	Seal (fluoro-carbon)	1027-7A 0052	50
	Ball bearing	1011-7A 0025	24
	Bearing spacer	1034-7A 1198	12
	Well agitator – shaft	1034-7B 1301	12
	Flanged B,R,G (rulon)	1034-7A 1188	24
	Driven hub	1034-6A 1303	20
	Screw	1034-7A 1302	24
	Side seal	1034-7A 1187	30

	Hose fitting	1008-7A 0517	15
	Air- deflector	1034-7A 1300	15
	Fill wheel 3/8 diameter	1028-7C 0867	4
	Fill wheel ¼ diameter	1028-7C 0665	4
	Double universal joint	1540-7A 0448	10
	Lateral belt order	1505-7A 0020	40
	Doctor blade	1034-7A 1285	40
	Piston assy ¼ din	1028-2A 0871	100
	Piston assy 3/8 din	1028-2A 0917	100
	Valve plate	1030-7C 0031	12

Spear parts for H.strunck co. type evwg 01

Cod 02-10-01216			
	Fine filter	AA6/22.7	4
	Vacuum pump vpe 10	AA6/22.6	3
	Cam	FA 3/22	4
	Gripping finger	Y 39	4
	Labele finger	Y 41	12
	Belt	Y 59	20

Spear parts for RICAP/3S mod. 265.serial no. 5697

Cod 02-10-01217			
	Pair of shells + support		1
	Rollers DNK 7/10tn		12
	Rollers DNK 7/10 tn		4
	Slide pins for droppers		2
	Ballcage 16.22.43		1
	Blade for droppers-part 5		1
	Slide for droppers –part 3		1
	Sets of teflonrings for pumps cc.5		24
	Sets of teflonrings for pumps cc.10		24
	Can for closing head		1
	Pumps cc.10 drawings 377		4
	Pumps cc.5 drawings 366		2
	Closing head mod 199		1
	Closing head mod 294 for ub 18		1
	Pneumatic cylinder 13/10 pd		4
	Break discs for bottles 25 X 60		4
	Proximity switch b 14/3		4

Spear parts for ampule filling machine type AVR A03 serial no. 6173007005

Cod 02-10-01218			
	Piston pump complete	98	13
	Shaped piece 1-2 ml	56	2
	Tong head piece compltet	144	1
	Gear box pair for rubber roll		4 pairs
	Packing ring	111	100
	Cam roll KR 19pp	114	50

	Cam roll KR 22 pp		50
	Cam roll KR 16 pp		20
	Spring sheet	G9	50
	Bowden cable core ø2,5x680 mm	117	50
	Bowden cable core ø 2,5x 815 mm	118	20
	Feeding roller 1-2 ml	58	4
	Roll with bolt bush washer and net	133	500
	Grooved ball bearing 310 with bolt	136	500
	Burner point size 1-2	134	20
	Spring bow	130	20
	Spring bow	132	20
	Filling needle ø 2,5 mm 2.cc	85	50
	Value body	94	10
	Tube ø 2,5 mm for spray		100m
	Rubber roll	142	1000
	Conveying rake 2 ml	62	2
	Back stop	78	2

Spear parts for labeling machine HAPA-411-no.99

Cod 02-10-01219

	Plate 2.cc	411-20-00-052	4
	Lable for mate set	411-29-00-030	4
	Gas spring	199-00-75-002	4
	Prnting steel types 10 pes eatch from 0-10 g		10 each one
	Prnting steel types "B.A.T.C.H"		10 each one
	Receiving station	411-17-07-05-48	2
	Toothed belt	199-00-71-013	4
	Knife	411-17-05-007	8
	Knife	411-17-04-011	16
	Inking roller	411-21-04-0058	12
	Toothed wheel	411-21-03-016	10
	Pression roller	411-17-06-072	10
	Inking roller	411-21-04-001	15

Spear parts for labeling machine HAPA-411 no.38

Cod 02-10-01220			
	Plate	411-29-00-052	40
	Plate	411-20-00-030	40
	Drive shaft	411-23-18-011	1
	Pression spring	411-23-18-013	4
	Bush	411-230-5-001	2
	Bush	411-23-04-001	2
	Toothed wheel	411-25-06-001	4
	Roller tube	411-25-02-001	4
	Roller tube	411-25-03-001	4
	Cam ring	411-25-03-002	4
	Nut	411-25-04-003	4
	Bride	411-16-00-035	8
	Plate	411-20-00-051	10
	Cylindrical screw	000-645	2
	Pression spring	411-25-04-004	4
	Toothed flat belt	199-00-71-002	50
		411-17-06-045-B	10
	Plate	411-29-00-000	40
	Inking roller	411-21-03-002	10
	Aampoul format set 10-75	411-27-008	1
	Ball bearing	199-00-55-042	30
	Ball bearing	199-00-55-054	80
	Ball bearing	199-00-55-019	40
	Ring	411-23-18-012	10

SPEAR PARTS FOR SUBJECT TO WEAR OF SERVAC-77

HOFILIGER + KARG bosch gruppe –model –1975

Cod 02-10-01221			
	Compr .air cylinder stroke 32 0.822.204.203	12-17	2
	Regulating value GR –318	18	2
	512-way value R ½2.C.02547.2816.1.3	19	4
	Compressed air cylinder 2,C.02592.2802.3.3	20	1
	Compressed spring 1,3.01453.832.06.4	25	2
	Compress air cylinder R1/8 2.C.02520.280.2.3.3	26	1
	Compress air cylinder R1/8 2.C.02520.280.2.3.3	27	1
	Plastic hose PK6	30	20m
	Plastic hose (blue) PK-13	31	20m
	Diaphragm cylinder 2.c.02509.2801.1.3	13	10
	Ball bushing 2.C.0118.2295.1.3	4	2
	Compressed air cylinder dia 80 2.C.2539.2802.3.3	49	2
	Compressed air cylinder 2.C.02519.2802.2.3	46	2

Spare parts for self oral drops / filling machine

Company name V- TONAZZI (MILANO)

Type : RL-S

Serial no.: 0974858

Cod 02-10-01222				
Item no.	Part name	Part no.	Type	Qty.
1	RLs/c 300 pneumatic cylinder	87	CDE 27 FAP/75/s	10
2	Infeed rotating star	51		1
3	Cylinder for dosing piston	85		4
4	Pre screwing head	55		4
5	Final screwing	67		1
6	Compressor		Mode C	1
7	Complete vibrator for self oral drops			1

Cod 02-10-01223	MEDICINE CARRYING TRUCKS: BASIC VEHICLE : Engine : diesel engine water cooled Transmission : manual floor shift Clutch: hydraulic control single dry plate with air pressure assistance Suspension : front: Iaminated leaf springs with shock absorbers Sufficient to control the vehciles in the parking supplied with air over hydraulic with dual circuit Electrical system : 24 V 120 mp Instrument panel :all measurements and gauges in metric system Frame: parallel , tapered channel section type with cross members and reinforcements Steering : left hand drive ,(ball nut tube , integral type)with hydraulic power booster floor shift handle 10-Tires : high quality front wheels :single in each side rear wheels: double in each side 11-Driver's cabin : one and half cabin supplied with air- conditioning system (cooling, heating and ventilation) 12- Equipments : the vehicle (trucks) it provides with all accessories that are concerning with work of the truck LOADING CAPACITY First option loading capacity (2-4)ton qty (5) second option loading capacity(5-7)ton qty(5) third option loading capacity (8-10) ton qty(20) C-ACCESSORIES:Each vehicle (truck)supply with the following : Fast spear part :auto jack with handle and wheel wrench : hazard triangle : hydraulic tail left cooling system work by engine or electric power 380 volt 50 hz 3 phase dial thermometer must be provided audiovisual for high temp to maintain the cooling specification mention below and uses the following gases r12,r22,r502 audiovisual for high temp must be fitted internal temp from + 10c to 20c ambient temp summer bdt 60c wbt 25c winter bdt 1c wbt 3c	
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02-10-01224	Blood Bag production line: Scope of supply Water treatment unit Water for injection Complete preparation and injection unit with all accessories Bag manufacturing line Welding line with all accessories Packaging and labeling line Sterilizing line with all accessories -The capacity one million for single 250 000 for triple All the materials needed to work with maximum capacity for one year Any options needed for the whole project i.e (Filters, laminarflow , laborotories equipmentect)	1
02-10-01225	Urine bag production line Fully automatic equipment for welding and printing the bags Welding of pipes Over wrapping equipment with all accessories the capacity one million one liter 500000 of 2liter All materials need to work in maximum capacity for one year Any options needed for the whole project	1

02-10-01226	Bottle bag Production line Complete line for aseptic bottle bag system (molding , filling , selling)in one operation The line molding : water treatment unit dosing unit for chemicals main production machine capacity with respect to volumes (for 5cc) molding volumes 5,10,50,100,500,1000,2000 cc) All accessories needed to put the machine in work with above volume Any option needed (filter , laminar flow Ect) All materials need to work with maximum capacity for one year		1
02-10-01227	Gauge Cocks TYPE D8- 65-025	KLINGER	8

MACHINE FOR FILLING CAPSULES MG2-G37/N NO.4125 (ITALY)

Cod 02-10-01228			
Item	Part no.	Descriptions	Qty.
1	Ex 472004	Dosator size 0	80
2	Ex 472005	Dosator size 1	80
3	411.522	Shaft	10
4	429.262	Block	100
5	482.094	Gasket	100
6	173.026	Pulley	4
7	123-061	Belts	6
8	135-028	Vacuum pump	3
9	520-350	Shaft transfer pin	20
10	469-284	Lower bushing size 0	40
11	469-285	Lower bushing size 1	40
12	472-013	Piston for Dosator size 0	40
13	472-014	Piston for Dosator size 1	40

BLISTERING MACHINE

PH2 63-1791 NR.631791 . 1980

Cod 02-10-01229		
Item	Description	Qty.
1	Compressed air system U40 SB E945037	1
2	Cooling water system L01 (Auto. Therm) 80559	1
3	Cutting device	1

Cod 02-10-01239	Film coating pan-multi system automatic with all acc as below	3	pcs
	Air system ima.gs E100 for coating pan	3	pcs
	Spray coating equipment for film and sugar coating	3	pcs
	Outlet air fan	3	pcs
	Dust collector	3	pcs
	Product discharge device	3	pcs
	Insulated jacketed wheeled tank 100/E I	3	pcs
	Electropnematic board box	3	pcs

EQUIPMENT A

Qty	SPECIFICATION	Code No
1	<u>CHILLERS :</u> Water cooled chiller , centrifugal type trane Capacity 800 tons. Voltages 380 v Model No :- ECVGB 080 1- Transformer 11/ 6.6 KV 2- Power supply 11 KV 3- Motor starter chiller 6.6 KV 4- Cooling tower 5- Pumps : One- 3 complete cooling tower pumps (1450 rpm) Two- 3 chilled water pump (2900 rpm) 6- Recommended spare parts for 3 years 7- All needed accessories .	02-10-01353
1	Water cooled chiller , centrifugal type carrier , Capacity 475 tons. Model No 19 DK 71314 CN Voltages 380 v 1- Motor starter chiller 2- Recommended spare parts for 3 years 3- All needed accessories .	02-10-01354
1	Centrifugal Compressor for water cooled chiller centrifugal type trane ECVGB 080 Capacity 800 tons. ❖ - Recommended spare parts for 3 years ❖ - All needed accessories .	02-10-01355

1	Centrifugal Compressor for water cooled chiller centrifugal type Carrier Model No 19 DK 71314 CN Capacity 475 tons. ❖ - Recommended spare parts for 3 years ❖ - All needed accessories .	02-10-01356
02-10-01357	Stainless steel shallow tilting pan to be used for preparation of binding agents like starch paste, gelatin mucilage consist of - Working capacity 100 L . - Inner vessel constructed of st. st 316. - Jacket electrically heated with temp control up to 150 C. - Cover of tilting pan made of st. st. - Gear wheeled tilting device. - Hinged or mobile agitator variable speed electrically operated with st. st shaft and propeller having 150 RPM approximately and heater to be explosion proof/ - Motor and heater starters to be included with the pan and be explosion proof. - Spare parts for two years with part list and unit price. - To supply ethylene glycol for filling the pan jacket approx. 150 liters. - Quarantee for one year after installation. - SGS test. - CIF Samarra. - Any other recommended accessories or options. - Our electrical supply A.C. 380 V 50 Hz + N + E	3 UNIT
02-10-01358	Double cone dry mixer - Double cone dry mixer (CL, NE – cone mixer) capacity vol. 1200 L - Mixing chamber made of St. St grade 316. - Tuning revolution 17 – 20 R.P.M. with charging and discharging valves hight of the discharging valve note less than 60 cm from the floor . - Motors and control and panel to be water dust proof. - Quarantee for two year with part list and unit price. - S.G.S. test. - Any other recommended accessories or options. - Our electrical supply A.C 380 V 50 Hz + N +E. CIF Samarra	2 UNIT
02-10-01359	Homogenizer Unit. - ST. ST homogenizing unit and recirculating used for high viscosity pharmaceutical products as syrup. Capacity 50 litre - The motor to be sidly separated from the mixing area to avoid reach of product to the motor in case of seal damage. - Electric starter for the motor must be included and must be Ex – proot and motor also to be explosion proof. - Our electric supply is 380 V. 3 Ph 50 Hz +N+E SGS in spatction must included.	5 UNIT

02-10-01360	Universal double arm mixing and kneading machine for pharmaceutical mixing kneading for power. - Agitator style as Z form. - Total capacity 300 L. - Working capacity 150 – 200 L. - All contacts parts with products must be made of ST.ST - Mixing vessel automatic tilting type by hydraulic system for discharging of product or during cleaning. - Revolution per minute of the driven of motor to be 82 R.P.M. - Motors and control panel to be water and dust proof also explosion proof. - Spare parts for two years with parts list and unit price. - SGS TEST - Quarantee for one year after installation. - Any other recommended accessories or option. - Our electrical supply AC 380 V 50 Hz + N+E CIF Samarra.	1 UNIT
02-10-01361	Aluminum printing machine - Automatic printing machine on aluminum rool sheet width 300mm and variable speed up to 5000 m / hr to feed the ink automatically to the ink rool. - Automatic ink drying unit after printing. - All pant with contact to aluminum rool to be ST.Steel. - The electrical control - Safety guard must be included . - All accessories needed to put the machine in production must be included . - Our electric power supply is 380V . 50Hz . 3Ph+N+E . - Commissioning installation training must be included - Spear parts for two years with list. - CIF Samarra. SGS inspection.	1 UNIT
02-10-01362	❖ Automatic boiler with diarator with feed water treatment plant Steam capacity of boiler 10 000 Kg /hr . Working pressure 8bar Material and wall thickness according to German technical regulation .electricity welded body. smoke tubes in the second and third flue. Welded in the bottons front reversing chamber for smoke gas , insulated , exhaust gas , cleaning tools , spare packing , as well as all necessary connection pie ces for steam feeding ,safety valves , venting , drainage , measuring device , and with complete insulation made of 100 mm mineral wool and galvanized sheet metal coating , the boiler with 1. Fine fitting 2. Water level limiter 3. Maximum water level limiter 4. Mud drain valve	UNIT

5. Desalting valve
6. Pump switch
7. Smoke gas shutting damper
8. Furnace plant for firing of fuel oil contain
 - (a).rotating diffuser (b) storage tank for combustion air
 - (c) fan (d) automatic control device for furnace (e) failure indicator (f) control equipment(g) furnace armatures (h) fuel supply with fuel pressure controller i. start up device
9. Insulation of pipe for hot media
10. Daily tank for oil
11. Feed water treatment plant
12. 2 feeding water pump
13. Feed water tank
14. Electric switch plant
15. Piping complete with installed existing boiler with accessories.

❖ The water treatment plant specified as follow :

Fully automatic feed water treatment plant consisting two units , one is working , another stand by . capacity for each unit 10 m³/hr . each unit consist of two filters, the second one for making the hardness of the soft water approximately zero the plant with diluting tank , conductivity water, blending device, dosing devise, sample cooler, sample cabinet and equipment of chemical, including all armatures, piping, testing point and flanges, screws and packing .

- Commission, conducting test run according to specification
- CIF Samarra.
- All accessories to put the plant in operation .

RAW MATERIALS

CODE NO.	DESCRIPTION	PACKAGING	QTY./ KG
02-10-01363	Amoxicillin Trihydrate compacte bulk density 0.68+ 5% gm/ml Sieve analysis 10% over 900 micro 50% over 400 90% over 100 USP23,BP98	25-50 KG F.D OR P.D OR ALUM. SACHET IN HARD CARTON BOX .	21000
02-10-01364	Ampicillin trihydrate P.S 10% over 900 micron 50% over 400 micron 90% over 100 micron Bulk density 0.68+5% gm/ml USP23,BP98	25 – 50 KG F.D PLASTIC DRUM OR ALUM. SACHET IN HARD CARTON BOX .	34000
02-10-01365	Cloxacillin sod. Compacted BP98,USP23 P.S 10% over 900 micron 50% over 400 micron 90% over 100 micron Bulk density 0.63 gm/ml	25 KG F.D OR P.D OR ALUM . SACHET IN HARD CARTON BOX .	1750
02-10-01366	CIPROFLOXACIN . BP98		10000
02-10-01367	Erythromycin ethyl succinate 100% below 125 micron by microscopical exam USP23,BP98(Bitter less)	25 KG F.D OR P.D OR ALUM SACHET IN HARD CARTON BOX .	12000
02-10-01368	FINASTRIDE		200
02-10-01369	Captopril USP23,BP98 disulphit free	25 KG F.D OR P.D	2200
02-10-01370	Ranitidine HCL USP23,BP98 white pdr	25-50 KG F.D OR P.D	4500
02-10-01371	CLIBENCLAMIDE POWDER BP 98	25 KG F.D OR P.D	500
02-10-01372	LANZOPRAZOL		150
02-10-01373	LISINOAPRIL DIHYDRATE BP98 , USP 23		150
02-10-01374	AMLODIPIN BESYLATE .		100
02-10-01375	PYRIZINAMIDE BP 98		2000
02-10-01376	Cefataxime sodium Steril pdr. For inj. (ready filling USP23,BP98)	5 – 10 KG ALUM . CAN .	500
02-10-01377	CEFTAZIDIM USP 23		100
02-10-01378	LORATADINE HCL		50
02-10-01379	CISAPRIDE MONOHYDRATE BP 98		100
02-10-01380	NAPROXEN USP 23 FDA APP , BP 98		10000
02-10-01381	PYROXICAM		1000
02-10-01382	CEFACLOX MONOHYDRATE USP 23		500
02-10-01383	TERBUTALINE SULPHATE USP 23		25
02-10-01384	CINNARIZINE	25 KG F.D	250
02-10-01385	CLOXACILLIN SOD. STERILE USP 23 , BP 98		500
02-10-01386	DILTIAZIM HYDROCHLORID		300
02-10-01387	Acid stearic proified 50 PPM butylated Hydroxy luene to be added USP23 (NF18) , BP98	25 –50 KG F.D OR 25 KG MULTILAYER PAPER BAG LINED WITH NYLON ON PALLET .	4000
02-10-01388	ACID TRATARIC BP 98 , USP 23	25-50 kg F.D 25 kg	30000

	(NF 18) .	paper bags in hard cartone box or multilayer paper bag lined with nylon on pallet	
02-10-01389	Chloramphenicol micronized 85% less than 10 micron USP23,BP98	25 – 50 KG F.D OR P.D OR ALUM. SACHET IN HARD CARTON BOX .	500
02-10-01390	Chlordiazepoxide (base) fine powder USP23,BP98	25-50 kg F.D or P.D or alum. Sachet in hard carton box	1000
02-10-01391	CLOBETASOL PROPIONATE AS ATTACHED LIST .	100- 500 GM ALUM . CAN	20
02-10-01392	CROSSCARMELLOSE SODIUM TYPE A USP 23 (NF 18) BP 98 .	25-50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	5000
02-10-01393	CLIDINIUM BROMIDE USP 23	25 – 50 KG F.D OR P.D .	200
02-10-01394	CODEINE PHOSPHATE USP 23 , BP 98 .	5 – 10 KG ALUM . CAN	1000
02-10-01395	CARBAMAZEPINE BP 98 , USP 23 .	25 – 50 KG F.D OR P.D.	2000
02-10-01396	Diclofenac sodium Fine powder white to off white cryst powder PH of 1% solution = 7-8.5 m.p 278-279 c , idehification by I.R comply Heavy metals : n.m.t. 10 ppm Arsenic : n.m.t. 2 ppm (BP98) L.O.D : n.m.t. 0.5 % Assay : n.m.t. 99% Calcolated with referance to the dried substance by non aqueous titration USP23 supp6	25 KG F.D OR P.D .	2000
02-10-01397	DIPHENHYDRAMINE HCL FINE PDR. USP 23 , BP 98.	25 KG F.D OR P.D	3000
02-10-01398	Ethyl cellulose standard type viscosity grade 20 centipose USP23(NF18)	50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	2000
02-10-01399	FUROSEMIDE FINE POWDER BP98 ,USP 23	25-50 KG F.D OR P.D.	500
02-10-01400	ALLOPURINOL F.PDR. BP 98 ,USP 23.	25 KG F.D OR P.D	2000
02-10-01401	XANTHAN GUM USP 23 (NF 18)	25 – 50 KG F.D OR MULTILAYER PAPER BAG LINED WITH NYLON ON PALLET .	3000
02-10-01402	GRAMICIDIN MICRONIZED USP 23.	100 – 500 G ALUM . TIN	10
02-10-01403	GUAR GUM (MYPRO GUAR) CSAA 200 USP 23 (NF 18) .	50 kg F.D or P.D multilayer paper bag lined with nylon on pallet	3000
02-10-01404	IBUPROFEN VERY FINE POWDER USP 23 , BP 98	25 – 50 KG F.D	20000

02-10-01405	MEPROBAMATA PDR. USP 23 , BP 98	25 – 50 KG F.D OR P.D	5000
02-10-01406	MEFENAMIC ACIDE BP 98	25 – 50 KG F.D OR P.D	15000
02-10-01407	LACTOSE MONOHYDRATE BP 98 + M.L.T AS USP 23 (NF 18) .	50 KG F.D OR P.D MULTILAYER PAPER BAG LINED WITH NYLON ON PALLET .	75000
02-10-01408	METHYL DOPA USP 23 , BP 98	25 – 50 KG F.D OR P.D	5000
02-10-01409	NAPHAZOLINE NITRATE BP 98 .	100 – 500 G ALUM . CAN.	6
02-10-01410	NYSTATIN VERY FINE POWDER BP 98 , USP 23 .	1 KG ALUM . CAN.	10000 BIU
02-10-01411	Orange soluble flavour CFR, FDA food additive	5 KG ALUM . CAN .	1000
02-10-01412	OIL ORANGE BP 98 .	5 KG ALUM . CAN.	500
02-10-01413	PINEAPPLE FLAVOUR CFR , FDA FOOD ADDITIVE .	5 KG ALUM. CAN.	500
02-10-01414	RASBERRY FLAVOUR CFR , FDA FOOD ADDITIVE .	5 KG ALUM . CAN	3000
02-10-01415	OXYMETAZOLIN HCL USP 23	500 GM ALUM. CAN.	4
02-10-01416	ORANGE FLAVOUR DRY(SOLUBLE PDR.) CFR , FDA FOOD ADDITIVE	5 KG ALUM. CAN.	1000
02-10-01417	PHENOBARBITON (PHENOBARPITAL) USP 23 , BP 98 .	25 – 50 KG F.D OR P.D	500
02-10-01418	PSEUDOEPHEDRINE HCL USP 23 , BP 98 .	25 KG F.D OR P.D	1500
02-10-01419	PROPRANOLOL USP 23 , BP 98	25 – 50 KG F.D OR P.D	1000
02-10-01420	RIFAMPICIN TAPPED BULK DENSITY 0.7 GM / ML USP 23 , BP 98 .	25 KG ALUM . CAN	7000
02-10-01421	SODIUM CITRATE BP.98 USP 23 .	25-50 KG F.D OR P.D OR POLYETHYLENE BAG LINED WITH NYLON ON PALLET	25000
02-10-01422	SOD. METABISULPHITE USP23 (NF18) BP 98.	25 KG F.D OR P.D OR MULTILAYER PAPER LINED WITH NYLON ON PALLET	500
02-10-01423	SOD. PHOSPHATE MONBASIC ANALYTICAL REAGENT USP 23 .	5 KG ALUM. CAN. OR P. CONT.	200
02-10-01424	SPERMACECTI BPC68 , USP 23 .	25-50 KG F.D OR P.D OR POLYETHYLENE BAG MULTILAYER PAPER BAG LINED WITH NYLON ON PALLET	700
02-10-01425	SALBUTAMOL SULPHATE BP98	5 KG ALUM. CAN.	200
02-10-01426	Vitamin A acetate 500 000 I.U/gm powder appearance light yellow , fine gran pdr fineness 100% through no.20 U.S standard sieve min 9% through no. 40 max. 15% “ “ 100 loss on drying (4 hours at 105 °C) max 8% USP23,BP98	5 KG ALUM . CAN. OR ALUM .SACHET IN HARD CARTON BOX .	2000
02-10-01427	CREATININE CHEMICAL PURE USP 23	1 KG ALUM. CAN.	5

02-10-01428	SODIUM CHLORIDE BP98, USP 23 FOR I.V SOLUTION.	25-50 KG F.D OR P.D OR POLYETHYLENE BAG LINED WITH NYLON ON PALLTE .	70000
02-10-01429	Betamethazone valerate v.f.p 100% should pass , B.S seive NO.125 USP23,BP98.	100-500 G ALUM . CAN.	50

EQUIPMENT B

02-10-01430	Bottle bag Production line Complete line for aseptic bottle bag system (molding , filling , selling)in one operation The line molding : Water treatment unit dosing unit for chemicals main production machine Capacity with respect to volumes (for 5cc) molding volumes (5,10,50,100,500,1000,2000 cc) All accessories needed to put the machine in work with above volume. Any option needed (filter , laminar flow Etc). All materials need to work with maximum capacity for one year .		1 UNIT
02-10-01431	Stainless steel fluid bed dryer	4	Piece

CODE	DESCRIPTION	QTY	UNIT
02-10-01432	spare parts for bandage and plaster machine as below		
	solenoid valve 5/2 with packing set	4pcs	
	solenoid valve	2pcs	
	profile rubber	10pcs	
	2/2 way valve 50 cyclis	2pcs	
	valve PMV-D-25/32s.510	2pcs	
	cylinder 15426	2pcs	
	pneumatic cylinder	2pcs	
	pes heating rods	10pcs	
	knife 15196	10pcs	
	rapi air vent valve	2pcs	
	knife 15470	5pcs	
	edge knife	4pcs	
	cylinder fram-heating element	30pcs	
	teflon glas fabrico	10sq. m	
	heating wire	30meter	
	coils for coating machine	12pcs	
	punching cylinder for noak	2pcs	
	DC mtor 1.4 KW 2000-3000 RPM with DC generation board	1Pcs	

02-10-01433	Stener machine for gauze and bandge dryer with spare parts	1 Piece
02-10-01434	Packaging machine UK-3 packing plastic , Bags 100 Grams, and 500 Grams	2 Piece
02-10-01435	Adhesive Tape and operating manuals	1 Piece
02-10-01436	Spare parts	2 Piece