



امارت اسلامی افغانستان
وزارت صحـصـت عامه
معینیت غذا و ادویه

د افغانستان اسلامي امارت
د عامې روغتیا وزارت
د خوړو او درملو معینیت



Islamic Emirate of Afghanistan

کمیته موظف خریداری

درخواست نرخ گیری
(Request for Quotation)

برای

تهیه و تدارک 344 قلم ماشین آلات لابراتوار برای ولایات هرات، قندهار، ننگرهار و بلخ

شماره درخواست نرخگیری :

تاریخ صدور درخواست نرخ گیری: 1403 /

شماره: ف س 9 (پیشنهاد)

اسم شرکت:

آدرس:

تاریخ: 1403

(1) معینیت غذا و ادویه وزارت صحت عامه تخصیص بودجه لازم برای تدارک اجناس/ خدمات غیر مشورتی مندرج این درخواست را دارد.

(2) آفر سر بسته شمانتاریخ 1403/ / ساعت 02:00 بعد از ظهر یا قبل از آن به شعبه هیات خاص خریداری ماشین آلات لابراتوار 4 زون کشور، معینیت غذا و ادویه وزارت صحت عامه واقع ده افغانان تسلیم داده شود.

(3) آفر ها نیکه بعد از میعاد تسلیمی ارائه گردید. بدون اینکه باز شود مسترد می گردد. پاکت حاوی آفر باید به صورت واضح عبارت نرخ قبه و تدارک 344 قلم ماشین آلات لابراتوار 4 زون مورد ضرورت لابراتوار های ولایت هرات، قندهار، ننگرهار و بلخ در بنایی نشانی شده باشد.

(4) آفر ارائه شده درآفرها باید الی مدت (30) روز تقویتی سر از تاریخ ختم میعاد تسلیمی آفرهااعتبار داشته باشد.

(5) در صورت تغیر در مقدار نیازمندی، اداره می تواند مقدار نیازمندی تقاضا شده را الی (15) فیصد زیاد و یا کم نماید، مشروط به اینکه قیمت مجموعی آن از حدود صلاحیت پولی برای درخواست نرخ گیری تجاوز ننماید.

(6) ترجیح داخلی مطابق حکم چهاره طرزالعمل تدارکات قابل اجرا است. {25٪} (بیست و پنج فیصد) توفیقات داخلی ارجحیت دارد.

(7) آفر گشائی درمحضرعام حتمی نبوده و فرمایش دهندة مکلفه قبولنازترین نرخ نمی باشد. در صورت ردهریک یا تمام آفرهافرمایش دهندة کدام مسؤولیت درقبال داوطلب قبه/ارائه کننده ندارد.

(8) آفر دهنده اسناد ذیل را با آفر خویش ضمیمه می نماید:

1- جواز تجارتي/ فعالیت/ کار قابل اعتبار؛

2- غیرتشخیصیه مالیه؛ (اختیاری)

(9) سند نرخ گیری تکمیل و توسط شخص یا صلاحیت یا نماینده قبه/ ارائه کننده در هر صفحه مهر امضاء شده باشد.

(10) تحویل دهی جنس در مرکز ولایات های ولایت هرات، قندهار، ننگرهار و بلخ می باشد.

نام کارمند صادر کننده درخواست نرخ گیری:

وظیفه کارمند:

شماره تماس:

امضای هیئت خریداری:

Food and Water Division
Physicochemical Department

قیمت مجموعی	قیمت فی واحد	وزن اثباتی نصب و ترمیم	مقدار	واحد	ملاحظات فنی
		Warranty: 1 year Installation Successful Installation at the laboratory. Training on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Detector: PAID or DAD. Wavelength range (190nm - 800nm) DAD detector must have a flow cell that can be easily changed. necessary. Pump: a quaternary pump system with the capability of handling 4 solvents as mobile phase. These solvents may be handled together or individually or in any combination. Flow rate: 10ml/min. Flow rate accuracy: $\pm 1\%$. Operating pressure: 60 MPa. Pump Mode: gradient system or isocratic mode. Oven: Thermostat system (2°C - 90°C). The system must have a built degasser. Clear and easy valves and methods for purging must be available. The tools required for the purging must be provided along with the system. Tool fittings must be easy to operate and tools provided. Appropriate tools for maintenance must be provided. It is preferable to have some leak detection system. Some consumables (such as needles, filters) must be provided for the Autosampler. can inject samples into the LC system with volumes ranging from 0.1 microliters to 100 microliters. The autosampler must be capable of holding at least 100 vials and must allow for programmable automated injection of samples into the LC system without interruption of the run. The autosampler must be able to hold vials (approximately 1.5 ml) with screw cap and septa that are interchangeable with standard HPLC vials provided by other vendors. Columns: Standard suitable column with guard column according to the HPLC. A software system controlling all the aspects of the HPLC system mentioned above must be provided (original disk or Drive). The software should have the capability of different distribution parameters during the run of a sample. The post run data should be available in the same software where the chromatogram of a run sample must be available for analysis. Data analysis must

	نام و نام خانوادگی	شماره
	HPIC	

Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system		standard chromatogram operations such as area, height, width and percentage estimation. The software system must also allow the easy integration of calibration data into data analysis methods. The software must be able to perform spectral analysis for UV-visible, fluorescence and RI detectors. The software data analysis system must also allow for the integration of UV spectral library information for automatic matching of the peaks with reference spectra, even if this might not be standard features. If this UV spectral matching feature is available. A suitable computer system must be provided for this system that can handle all the operations. UPS system more than 30 min backup. A generic C-18 column must be provided that can separate a mixture of polycyclic aromatic hydrocarbons. A tubing kit and maintenance tool kit must be provided along with the system. ISO 13485, CE, FDA certificates or equivalent	
1	Each	Beam Splitter, Multilayer Ge coated KBr, Detector, Room temperature DL a TGS module (standard), IR source, High intensity, Long lifetime, air-cooled IR source, Wavenumber range, 7800 /cm - 350/cm, Resolution - 0.85/cm, Wavenumber Accuracy: ± 0.01 /cm, Necessary accessories, A suitable computer system must be provided for this system that can handle all the operations. Power supply: 220 V - 230 V, ISO 13485, CE, FDA certificates or equivalent.	F71 IR Spectrophotometer 2



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QCL Lab - Team

Automatic Kjeldahl nitrogen analyzer. Measuring range ~240mg N. Reproducibility: Average value relative error: 0.2% (step optional): 0.2µl /step and 0.2µl /step optional. Burette volume: 1.0µl /step optional. Water consumption in the distillation process: 0.5L/min supply: 220V±10%, 50Hz, power: 2Kw. Capacity: 100-200 per batch. Tank capacity 4x15L. Power Supply: 100-240V/50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Each	1	Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system
Speed Range: 50 rpm to 2000 rpm. Stirring Capacity: 400ml. Temperature range: 80-380 °C. Maximum load: 15 to 200g. Body Material : Polypropylene. Corrosion resistant surface. A design that prevents liquid spillages from entering the instrument. Digital Output connectivity: RS232. Retort stand attachment(s). Set safety temperature limit digitally. Power supply: AC: 160-240 V , 50/60 Hz ISO 13485, CE, FDA certificates or equivalent.	Each	1	Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system
Capacity: 170 Ltr. Operating temperature: 0 to 40°C. Accuracy: ±0.1°C. Resolution: ±0.1 °C. The proposed units should be able to measure voltage and frequency of 220v - 230v, 50/60 Hz.	Each	1	Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system

Weight: 0.1mg Error $\pm 0.5\%$ Appl./step n. Power 24 samples 30 volt . ent.	Fully Automatic Kjeldahl Nitrogen Analyzer	2
L. 20 kg. face and erine the displayed 9 13485.	Flow rate with Manual screen	1
Accuracy: d by York 60Hz	Ice Bath	1

Warranty: 1 year. Installation: Successful Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	PH range: 0 to 14. mv: ± 1999 . Accuracy: ± 0.02 . operating temperature: 5-40 °C. Calibration: 1-3 points automatic calibration with calibration instruction and self-diagnosis. Temp. measuring range: 0 to 100 °C. Power Supply: 100-230 volt . 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent	Bench top PH meter	6
Warranty: 1 year. Installation: Successful Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring range: 0.0001g-220g. Readability: 0.1mg. Tare Range: Full. Linearity: 0.2mg, Response Time: 3 sec; Operating Temperature Range: 10° to 16 °C Calibration tools: Standards weights. Power supply: AC 100-240 V , 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Analytical Balance	7
Warranty: 1 year. Installation: Successful Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Fully Automatic Bomb Calorimeter for rapid determination of Gross Calorific Value of food items. Temperature resolution: 0.00010C or Better, Reproducibility Repeatability: <0.1% RSD or better. Unit of measurement: Cal and KJ. Pelletizer: Suitable for pelletizing food samples. Calores Energy Measurement Range: 25 – 10000 Calories or more. Oxygen filling: Automatic. Accessories: Ignition wire. Additional 10 Nos Cotton thread 1000 Pes Combustion crucible. 25 Pes Bomb – Additional 3 nos NIST certified Benzoic for calibration Any other accessories required for analysis of food samples. Power supply: AC 100-240 V , 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent	Bomb Calorimeter	8

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		Warranty: 1 year Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Hand Motor lift: hand lift. Height adjustment speed: 1 height adjustment: 155 mm. Rotation speed: 10 – 280 Rotation speed setting: 3.5" LCD display. Drive: brush motor with electronic speed control. Heating capacity: Temp. range heating bath: 20 – 210 °C. Temperature a bath: ±1. Overheat protection bath: cut-off at 5 °C over temperature via separate Pt 1000. Bath temperature set LCD) display. Heating bath temperature control: elect digital. Material heating bath: stainless steel. Diameter bath: 255 mm. Volume heating bath: 4.5 L. Flask volu Inner: yes. Rate of evaporation: Ethanol: 3.5 L/h. Wat (condensing surface: 1.200 cm ² . Power Supply: 100-2 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent
		Warranty: 1 year Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measurement Range: 0.0980aw Temp range: 0 -50 °C Measurement accuracy: water activity: ±0.015 aw and - 5 °C Measurement point: 1. Relative humidity: 0 Power Supply: 100-230 volt, 50/60 Hz. ISO 13485, C certificates or equivalent
		Warranty: 1 year Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	It should be a small foot print battery powered with a ly piece with digital display Measurement of liquid: 1 samples, regardless of their turbidity, viscosity, transp absorption Measurement prism: (Optical glass, light s Approximating to wavelength of D-L line). Wavelength Scale: Refractive Index & Brix. Measurement Range: Index (mD): 1.3000 to 1.7000 Brix: 0.00 to 95.00% (5 ATC). Measurement Accuracy: Refractive Index (mD) Brix: 0.03%, Temperature control range: 5.0 to 75.0 °C Calibration standards: Calibration block: 1 No and con solution (1-Bromonaphthalene) and any other standard Power Supply: 100-230 V, 50/60 HZ. ISO 13485, CE certificates or equivalent.

manual. rpm less DC 1500 W accuracy set line 3.5° ome r heating me 1 L er 1.2 L h. 20 V. con.	Rotary vacuum evaporator (it included vacuum pump and water chiller)	9
0.25-10 V. 0.025 A E 10 A	Water activity meter	10
sting und scous erent and con: 1-10 h. 20 am. Relative to 20°C : 0.001	Abbs digital Refractometer	11

Warranty: 1 year. Installation: Successful Installation at the Laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	The system must be capable of quantitative separation of total fats from food, feed etc. Sample Positions: ≥ 6. Measuring Range: 0.1 – 100 % fat. Sample Volume (Size): 0.5 to 15 gm or more. Accuracy: $\pm 1\%$. Solvent Recovery: $\geq 75\%$. Temperature: 100°C – 280°C or better. Material: All material in contact with solvents should be PTFE or suitable high-grade material. Accessories to be supplied: The system should be supplied with at least 12 glass/aluminum extraction cups (preferably > 150 ml.), 24 dozen of suitable cellulose thimbles (preferably $33 \text{ O} \times 80$ mm) or Filter Bags, at least 6 viton seals, 1 sample tray, 1 boiling stones, 1 cup stand and 1 recovery flask. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent	Automated Fat analyzer	12
Warranty: 1 year. Installation: Successful Installation at the Laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring Mode: Optical Rotation. Specific Rotation. Specific Rotation Plus Concentration. Sugar Scale. Z(ISS). Display: On screen LCD / LED (touchscreen). Accuracy: 0.001 deg Arc or better. Measuring Range: ± 89.9 deg Arc (Optical Rotation). $\pm 999.99^\circ$ Arc (Specific Rotation). 0.99.99% Concentration. Optical Wavelength: 589 nm / 578 nm / 546 nm / 405 nm, Light Source: Sodium Tungsten-halogen (LED) with life time 100,000 h of operation, Prism: Gilan Thompson Calcite prism with life time Guarantee, Detector: PMT. Calibration Automatic. Calibration In-built via touchscreen. Calibration Standards: Certified values of Certified Reference Materials (CRM) provided by an accredited Reference Material Producer with stated metrological traceability to the SI for sugar solutions. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Automated digital polarimeter	12



OCI lab - Team

		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system		Each	The system must be closed and microprocessor control capable of performing all operations: extraction, rinsing, filtration of samples for analysis of crude fiber, acid detergent fiber, neutral detergent fiber, etc. Should have agitator/heat Switch & temperature/timer/clock controller for process parameter and results readout. System should be based on either a filter bag technology. Should have possibility of analyzing 6-12 samples at a time. Sample size: < 1 gm Measuring range: ± 0.1 to 100%. Reproducibility: $\pm 1\%$ at 5% - 30% fiber level. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring principle: visual. Modes: Transmittance, reflectance. Range: 0.1 - 79.9 Red, Yellow, 0.1 - 49.9 Blue, 0.1 - 2.9 Green. Resolution: 0.1 Lovibond® unit. Optical system: 11 glass, nylon racks containing a graduated range of Lovibond® glasses. Viewing system: fully adjustable, prismatic viewing fiber for light standardization. Light source: 2 x 15 W blue fiber for light standardization. Illuminant: approximately 2° A act tungsten halogen lamp. Illuminant approximates to path length: 1" to 1.5" mm (6"). Power supply: AC 100-50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.

Warranty: 1 year. Installation: Successful Installation at the Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	External dimension (mm): 524x1067x574. Inner dimension (mm): 483x853x560. Dehumidification system: H2O electrolysis discharge by solid polymer electrolyte dehumidification element. Dehumidified ability (When 30% RH is set): Within 8 hours. • Humidity Range: 10 to 60% RH, 0 to 60 °C/10 measurement range 60 %RH. Temperature and humidity sensors: • Temperature/thermistor elements, humidity/resistance apte low humidity measurement sensors. Area of dehumidifying element: about 49 cm2. Temperature and humidity display accuracy: ±1 °C. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Digital Dry Desiccator	16
Warranty: 1 year. Installation: Successful Installation at the Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	TLC Plate Cutter size: 200x200 mm. Drying Rack: 10 TLC plates with the formats 200 x 200, 200 x 100 and 200 x 50 mm. Simultan Separating Chamber: The vertical grooves in the transverse walls should hold up to five 200 x 200 mm TLC plates. Desiccator Opener: This opener should be suitable for all sizes of desiccators. Thin Layer Chromatography Filter Paper: Capillary Dispensing Pipettes: The pipettes should fill automatically when they are dipped into the sample liquid. Micro Capillaries: Their accuracy should be better than 1%. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Thin Layer Chromatography (TLC)	17

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Measuring method: Infrared heat drying mass measurement Sample pan size: $\phi 150$ mm Minimum display in weighing: 0.001 g Measurement range of moisture content: 0.01% to 14% Moisture content minimum display: 0.01% Maximum sample capacity: 120g Measurement mode: Automatic or Timed halting modes: Rapid, Slow and modes. Predictive Measuring mode Drying heater: Mid-wave infrared quartz heater Setting temperature range: 30°C to 180°C (by 1°C increments) Dimensions & weight: W220xD415xH190 (mm), 4.5 kg Operational temperature and humidity range ranges: 5°C to 40°C, 85% to 95% RH maximum Standard accessories: Sample pan 2 pcs, sample pan windbreak case, sample pan, handler 2 pcs, alarm pan pcs, spoon, spatula, Power supply: AC 100-240 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.	1	Each
Warranty: 1 year Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each

Percent		
09.000%		
Step drying	Electronic moisture balance	18
Step 1 Step 2 Step 3 Step 4 Step 5 Step 6 Step 7 Step 8 Step 9 Step 10 Step 11 Step 12		
Subtotal	Freezer (-20)	19

Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	It should be a small foot print battery powered with a single eyepiece with digital display Measurement of liquid, and viscous samples, regardless of their turbidity, viscosity, transparency and absorption. Measurement prism: Optical glass. Light source: LED (Approximating to wavelength of D-Line). Wavelength: 589 nm, Scale: Refractive Index & Brix. Measurement Range: Refractive Index (ND): 1.3000 to 1.7000 Brix: 0.00 to 95.00% (5 to 75 °C ATC). Measurement Accuracy: Refractive Index (nd): 0.0004 Brix: 0.03%. Temperature control range: 5.0 to 75.0 °C. Calibration standards: Calibration block: 1 No and contact solution (1-Bromonaphthalene) and any other standard solutions. Power Supply: 100-230 V, 50/60 Hz. ISO 13485 CE, FDA certificates or equivalent	Digital Refractometer	20
Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Dedicated this Parameters: Fat, Protein, Lactose, Total Solids, Solids non-fat, Freezing Point (milk only) Feature and Specification: Consumption: 12V, 5A, - 60 W Ambient Temperature: 5 - 35 ° Ambient Humidity: < 80 RH Noise Level < 70 dB, Measuring range: 0-48 % Fat, 0-6 % Protein, 0-5g % Total solids, 0-12 % SNF, 0-6 % Lactose Accuracy: Accuracy < 1.2 % CV* on major raw cow Milk components (Fat, Protein, Lactose, Lactose, Total Solids, solids nonfat). Repeatability: 1.2 % CV* on major raw cow Milk components (Fat, Protein, Lactose, Total Solids, solids nonfat), < 0.5 % CV* on major raw cow Milk components (Fat, Protein, Lactose, Total Solids, solids nonfat), Analysis time: 1 min. for milk, Sample volume: 0 ml Sample temperature: 5 - 40 °C, Average testing sample: 70 samples/hr. Power supply: (100 to 240V) V - 50/60 Hz. ISO 13485 CE, FDA certificates or equivalent.	Milk Analyzer	21

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		Warranty: 1 year. Installation: Successful laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Tank capacity: 8 L, Tank size (mm): 300x240x150. Power: 200 W, Heating power: 300 W, Heating Test Time setting: 1-99 min, Display: Digital RED LED Supply: 100-240 V, 50/60 Hz, ISO 13485, CE, PED or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed range: 30-460rpm, Heavy duty maximum load Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, PED or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Max Irradiance: 750 mW/cm ² , Wavelengths: 365 nm 395 nm, 405 nm, Electrical Power Input: 100W V 100-240V AC, Interior Dimensions: 300mm x 300mm Power Supply: 100-230 V, 50/60 Hz.

Ultrasonic Temperature Power Certificates	Ultrasonic Bath	22
Power Certificates	Optical Laboratory Slit	23
Power Supply Certificates	Power Chamber	24

Warranty: 1 year. Installation: Successful Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Max. flow rate: 20 l/min. Capacity: 300 ml / 1000 ml Filter diameter: 47 mm / 50 mm. Effective filtration area: 1 x 1 cm Filter funnel: PES. Waste bottle: Borosilicate 1000ml glass (with drain). Funnel lid: PP. System, complete set includes: V.P. 17. Vacuum Pump. MF 31. Filtration Set. Silicone Tube (1m) Power Supply: 100-230 V, 50/60 Hz. ISO 13485 (CE, FDA certificates or equivalent.	Vacuum Filtration System	25
Warranty: 1 year. Installation: Successful Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Viscosity range: 0.5mPa - 70000 mPa. Accuracy: 0.3%, Balls 1 and 2; Boron Silicate (Glass. Balls 3 and 4; Nickel metal. Balls 5 and 6; Steel Ball time of measurement: 30-300 seconds. Operating temperature: -5 °C- 150 °C. Sample tube volume: 40ml Viscometer, dimension: 130X220X330 mm. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Patting ball Viscometer	26
Warranty: 1 year. Installation: Successful Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Application: liquid and semi solid mixer homogenizer. PLC automated touch screen control, jacketed process vessel for temperature controlled processing Capacity: 1 L. (Model: H10N1 1.3 Ltr). Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Homogenizer	27





QCL Lab - Team

		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Sieve diameter: 200 mm, Quantity of sieve: 1 x 5 x frequency 1400r/min, Exciting force: 3 K.N, Timer, Motor, Vertical vibration motor, Accessories: Supply & Rods (model: STXVSS8), Power Supply: 100-211V, ISO 13485, CE, FDA certificates or equivalent
		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Special medium length Ts 10x18 thermometer with °C, Accuracy: ±0.2°C, volume size: 50 ml, Power: 230 V, 50/60 Hz, ISO 13485, CE, FDA certificates
		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Automated (operating system with LCLD1414) screen without manual alignment can connect PC with RS Measurement Range: Concentration 0-95%, Refract 1.2800—1.7000, Automatic Temperature Control: 1°C/min, Concentration: 0 - 80%, Resolution: Butyro 0.0001, Measurement Accuracy: Butyro ±0.5% (at 1 ±0.0003 (at 40°C), Power Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.

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Total Number of Device

Microbiology Department

ذرائعی و نصب و تربیت	مقدار	واحد	مشخصات فنی	نام دستگاه	شماره
Warranty: 1 year. Installation: Successful Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Standard version, working space: 1135x570x570mm. Includes radial fan, illumination, differential pressure indicator, pre-filter HEPA filter. For bench mounting. ISO 13485, CE, FDA certificates or equivalent.	Vertical Laminar Flow Bench	1
Warranty: 1 year Installation: Successful Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring range: 0.0001g-220g, Repeatability: 0.1mg, Tare Range: Full, Linearity: 0.2mg, Response Time: 3 sec, Automatic Internal Calibration, PC Interface, USB, Communication Certificate with calibration weight set, Operating Temperature Range: 10° to 40 °C, Power supply: AC 100-240 V 50/60 Hz ISO 13485, CE, FDA certificates or equivalent	Analytical Balance	2

	قيمت واحد			
	قيمت مجموع			

QC1 Lab - Team

		Warranty: 1 year. Installation: Successful laboratory Training: on site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Capacity : 150 L., Temp. Range: : 0-60, Temp accuracy: $\pm 1^{\circ}\text{C}$, Temp Fluctuation: $\pm 1^{\circ}\text{C}$, Maximum timer run Hours: 1 (Display: LCD), Humidity Range: 50-90 % rh, Supply: 100-230 volt , 50/60 Hz, ISO 13485, CE, IF certificates or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Cabinet (Material of construction): Cabinet should be Galvanized Iron 18 SWG sheet metal with polyurethane coated finish and bottom will be supplied with AISI coated modular stand which can be adjustable for the leveling legs or motorized. External surfaces to be an antimicrobial coating to protect against surface contamination and inhibit bacterial growth. Interior work area to be single piece of stainless-steel with large radius corner cleaning. The cabinet work area must have no weld which collect contaminants or rust. Front door of clear 5 mm thick Toughened glass & vertical sliding, touch Motorized operation, while opening the door it will be cut "OFF" And while closing the door it will be cut "ON". Automatically, Side Panels, both the sidewall from double layered outer GI & inner stainless steel & air plenum in between. Edges should be performed to of room air into the work zone and exit of contaminat




		the room and such contaminated air is sucked through this full height perforation at the edges of the sidewalls. A recessed central area with drain pan to contain spills and prevent liquids from entering the lower filtration unit. The BSC shall be ergonomically designed for maximum user comfort and adjustability. Fail-safe system to ensure that in case of exhaust failure, the cabinet's main fan automatically shuts down to ensure safety to the user. Air Balancing : 100% Exhaust & 0 % Recirculation. Direction of flow: Vertical. HEPA Filters: Type: Separator less type, Mini-Pleats HEPA Media, Media: Ultra clean glass fiber paper, Retention: 0.3 Micron ,Efficiency: 99.997%,Initial Pressure: 12 mm W.G, Grade: H14 rating, Real-time display panel for remaining Filter. ISO 13485, CE, FDA certificates or equivalent.		
Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Chamber: Vertical loading type chamber with service basket. Chamber size: 80 x 120 L. Gauges: Should have a water level gauges. Display: Fully Automatic PID control $\pm 0.1^{\circ}\text{C}$. LED display for temperature and remaining time. Operating temperature 10°C. Temp accuracy ± 0.5 at 121°C operation. Ing pressure 15-20 cm H₂O. Timer: Automatic start and stop timer. Must have safety warning alarm. Must have necessary accessories. Must be with calibration certification. ISO 13485, CE, FDA certificates or equivalent.	Vertical Autoclave
Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed Range: 50 rpm to 2000 rpm. Stirring Capacity: 4L. temperature range: 80-380 $^{\circ}\text{C}$. Maximum load: 12 to 20 KG. Body Material : Polypropylene. Corrosion resistant surface and panels. A design that prevents liquid spillages from entering the instrument. Digital Output connectivity, RS232. Retort stand attachment(s). Set safety temperature limit displayed digitally. Power supply: AC 100-240 V , 50/60 Hz. ISO 13485, CE. FDA certificates or equivalent.	Hot Plate with Magnetic Stirrer

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Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Capacity: 12 L. Material of construction: Transparent, unbreakable polycarbonate jar. Unit: Jar should be provided with pressure -cum -vacuum gauge attached to the lid. Jar should be ideal for all strict anaerobic test conditions. Lid should consist of O-ring gasket. It should be provided with petri dish (100 mm diameter) carrier/SS rack, Schrader valve and screws to connect to vacuum pump. Vacuum pump: Suitable oil free vacuum pump for the system. Accessories: Catalyst/gas pouch startup kit. Anaerobe indicator tablets. Lid, complete with clamp and screw. O-rings. Power supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Anaerobic system with anaerobic jar	8
Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Capacity: 5 L with easy cleaning facility. Material of construction: Body should be compact, durable, leak proof and made of stainless steel heavy duty plastic. Unit: It should be compatible with all disinfectant solutions usual concentration. It should be compatible with maximum pH range (both acid and alkali). The equipment should be of good quality and conform to national international standards. Power supply: AC 100-240 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent	Incubator	9
Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature range: 50-300 °C. Chamber volume: 100 L, walls stainless. Power supply: AC 100-240 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Incubator	10

QCL Lab - Team

Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Ph range: 0 to 14, mV ; 1999, Accuracy: ±0.02, operat temperature: 5-40 °C, Calibration: 1-3 points automa calibration with calibration instruction and self-diagn measuring range 0 to 100 °C, Power Supply: 100-23 50/60 Hz, With two extra electrodes, ISO 13185, CE, certificates or equivalent.
Warranty: 1 year Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Material of construction: Full Stainless-steel (fabricate duly heat cured epoxy coating). Display and counting consist of: Digital display up to 4 digits with confirm audible tone. It should consist of Magnifying lens (gr 2X magnification) with digital marking pen). Accepts up to size 149 mm diameter with a centering adaptor 90 mm pen diameter. Glare free viewing low energy brig switchable black background viewing translucent and see volumes, 4-to reset button. Power supply: AC 100 50/60 Hz, ISO 13185, CE, FDA certificates or equiva
Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature range: -12 - 24°C, Capacity Range: 2-24 Door Swing Left/Right, Double-Swing, Power Supp V, 50/60 Hz, ISO 13185, CE, FDA certificates or equiva

ing ic osis, Temp 0 volt. FDA	bench top fill meter	11
ed by with It should ation by eation by perish for standard in (10) s. A difficult to 0-2.20 V.	12000 (10000) count	12
with y: 140-230 ivant.	Pressure (20)	13

Warranty: 1 year Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Height: 68 in. Depth With Door Open 90 Degree: 57.0 in. Depth 31 in Capacity: 17. Cabinet Width: 28.9 in. Refrigerator Volume: 13.66 cu. ft. Door Style: Conceal Handle Material: Plastic. Location of Controls: Interior Top Front. Deli Drawer: 1 Flexi-Slide Bin. Door Bins: 2 Fixed Full-Width. Lighting: LED Features: LED Lighting, EZ Connect IceMaker Kit Compatible, Flexi-Slide Bin, Humidity-Controlled Crispers. ISO 13485, CE, FDA certificates or equivalent	Refrigerator	14
Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed Range: 200 to 5000 rpm. Material: Rubber. Plastic Platform. Dimensions (L x W x H): 8.1 x 5.9 x 5.2 in. (20.3 x 15.1 x 13.1 cm). Timer Range: 1 to 99 min. Continuous Power Supply: 100-230 V, 50 or 60 Hz. ISO 13485, CE, FDA Certificates or equivalent	Digital vortex mixer	15
Warranty: 1 year Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	RPM range: 50-5000 RPM. Increment range: 5 RPM. Timer facility 1 min to 15 min or beyond. Rotor capacity: 12 or more (15 ml). Rotor type: fixed angled rotor. Power Supply: 100-230 volt, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent Complete Programmable each parameters	Digital Control Centrifuge	16

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		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Counting Chamber: Constructed entirely of glass. Ce should contain a 15x20mm rectangle that is flanked by shoulders on each side to support cover glass. Rectangular cover glass should have optically plane surfaces. Facet calibration of microscope. Eyepiece micrometer: Knif squares (grid), each of which is equal to 1/6 of the diameter eyepiece diaphragm opening. Cover slips: 7mm 28mm 0.5mm 2 Nos. Thick 28mm x 23mm x 1.0mm 2 Nos. Supply: AC 100-230 V, 50/60 Hz. ISO 13485, CE. I certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Volumen : 20 Lt. Temperature range: 15-100 °C. Temp Resolution Ratio: 0.1 °C. Power: 2 kW. 11-17 Phases. should be work in electricity voltage and frequency of 230v, 50/60Hz. ISO 13485, CE. I certificates or equivalent.




Warranty: 1 year. Installation: Successful Installation at the Laboratory Training: on-site comprehensive training for a minimum of two	1	Each	All-Glass Filter Holder: With borosilicate glass funnel and base, anodized aluminum spring clamp, silicone stopper, coarse-fine glass filter support and PTFE-faced funnel and base for 47 mm, 90 mm & 25mm disc filters. Stainless Steel Vacuum Filter Holders: Analytical Filter Holders For 25- and 47-mm disc filter. Filtering Flasks: Side arm connects to vacuum source with 3/8in. I.D. hose, 1 L and 4 L flasks accept no. 8 perforated stopper, 125 ml. flask accepts no. funnel dimension: 100 ml, 5 stopper. Filter Forceps: Highly polished stainless-steel forceps blades with beveled, un-serrated tips. Oil less vacuum pump. Flow rates of up to 37 L/min. Membrane Filters: Filters 47mm, 90 mm and 25 mm for Aqueous solvents & Hydrophobic solvents. Power supply: AC 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Laboratory Micro Filtration Unit	19
Total Number of Device					





Water Physicochemical Department					
وراثتی، نصب و ترفینگ	مقدار	واحد	مشخصات فنی	نام دستگاه	شماره
Warranty: 1 year Installation: Successful training: on-site comprehensive training for minimum of two scientific personnel operating the system	1	Each	Photometric system: Double beam . Wavelength range: 190 - 1100 nm. Wavelength accuracy : ± 0.02 nm. Light Source : Halogen Lamp, Deuterium Lamp. Spectral Bandwidth: 1 nm. Scanning Speed 10 - 8000 /min. Power supply : AC 100-240 V , 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	UV-Vis Spectrophotometer	1
Warranty: 1 year. Installation: Successful training: on-site comprehensive training for minimum of two scientific personnel operating the system	1	Each	Elements, Potassium (K), Sodium (Na), Lithium (Li), Calcium (Ca), Barium (Ba). measuring range, measuring range 0-199.9). Power supply: AC 100-230 V , 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent	Flame photometer	2

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		Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Range: Conductivity: 0 µS/cm - 2000mS/cm; 1 µg/L or ppt; Temperature: 0 - 100 °C; Resolution Conductivity: 0.01 µS/cm - 200.0 mS/cm TDS: 0 ppm to 0.1 mg/L or ppt; Temperature: 0.1 °C; A C conductivity: ±1% full-scale; TDS: ±1% full-scale Temperature: ±0.5 °C; Calibration: Calibration reference material traceable to SI units or ISO 1 Ranging: Across 5 Conductivity and TDS range point push button Calibration. Accessories: Elec trical One spare electrode, Power supply: AC 100-2 40V, ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Ph range: 0 to 14, mV; ±1999, Accuracy: ±0.02, temperature: 5-40 °C; Calibration: 1-3 points at calibration with calibration instruction and self Temp. measuring range: 0 to 100 °C; Power: S 230 volt, 50/60 Hz; ISO 13485, CE, FDA certifi equivalent.
		Warranty: 1 Year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Measuring range: 0.0001g-250g; Readability: 0.1 Range: Full, Linearity: 0.2mg; Response Time: Automatic Internal Calibration, PC Interface, 1 Calibration Certificate with calibration weight set Temperature Range: 10° to 40 °C; Power supply: 240 V, 50/60 Hz; ISO 13485, CE, FDA certificate equivalent.

DS 0 - 2000 0.01 mg/L on accuracy: rate: by certified meter - 1Ds over 24V, 50/60 Hz, Auto- stop to 5- min. holder	Benchtop Conductivity meter - 1Ds over	3
DS 0 - 2000 0.01 mg/L on accuracy: rate: by certified meter - 1Ds over 24V, 50/60 Hz, Auto- stop to 5- min. holder	Benchtop pH meter	4
DS 0 - 2000 0.01 mg/L on accuracy: rate: by certified meter - 1Ds over 24V, 50/60 Hz, Auto- stop to 5- min. holder	Analytical Balance	5

Warranty: 1 year Installation: Successful installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Range: 0-1000 NTU. Principle of Operation: Nephelometric Automatic Range Selection: 0.01 to 19.99 NTU, 20.0 to 99.9 NTU, 100 to 1000 NTU. Accuracy: $\pm 2\%$ of reading ± 1 digit for 0 - 500 NTU. Calibration: 4 points. Calibration Kit set 3 sample vials. Display: Digital LED. Detector: Photo Diode. Power supply: AC 100-240 V , 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	6	Bench top Turbidity meter
Warranty: 1 year. Installation: Successful installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Wavelength range: 420-660 nm. Filter: 420 nm, 470 nm, 530 nm, 620 nm& 660 nm. Detector: silicon photo-cell. Photoelectric range: T%:0-100%, Abs log F 0-2. Light source: tungsten lamp. Indicator: LED ISO 13485, CE, FDA certificates or equivalent.	7	Benchtop colorimeter
Warranty: 1 year. Installation: Successful installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature range : 50-300 °C. Chamber volume: 100 l walls: stainless. Power supply: AC 100-240 V , 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	8	Dry Oven
Warranty: 1 year Installation: Successful installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed Range: 50 rpm to 2000 rpm. Stirring Capacity: 4L. Temperature range: 80-380 °C. Maximum load: 15 to 20 Kg. Body Material : Polypropylene. Corrosion resistant surface and panels. A design that prevents liquid spillages from entering the instrument. Digital Output connectivity: RS232. Retort stand attachment(s). Set safety temperature limit displayed digitally. Power supply: AC 100-240 V , 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	9	Hot Plate with Magnetic Stirrers

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		Warranty: 1 year Installation: Successful Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measurement Range: 0-5 mg/L free or total chloride Accuracy: ± 0.03 mg/L, Limit of Detection: 0.03 mg/L Resolution: 0.01 mg/L, Power supply: AC 100-240 Hz, ISO 13485, CE, FDA certificates or equivalent
		Warranty: 1 year Installation: Successful Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	CaCO ₃ range: 20-350 mg/L, Cl ⁻ range: 5-100 mg/L range: 3-50 mg/L, Application: 1 or raw (untreated) drinking water, surface water, Power supply: AC 100-240 Hz, ISO 13485, CE, FDA certificates or equivalent
			10	Total Number of Device	

Drinking water hardness test equivalent.	g/L, Mg equivalent.	Chlorin Analyzer	mg/L, 240 V, 50/60 Hz.

Food and Water Toxicology Department

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ضمانت 100% استاندارد بین‌المللی درمان: on-site معمولاً 100% معمولاً 100% معمولاً 100%	1	Each	Detector: Flame ionization detector (FID). Oven: single airless oven. Oven temperature range: RT to 350°C Accuracy: $\pm 0.02^\circ\text{C}$ Sample: vapor or liquid Calibration: Comparison with external standard manual or automatic Injection system: gas injection valve and liquid injection valve Software: Full traceability through the archiving of results and quality control Programming and control of alarm thresholds Data transfer via communication protocols Columns type: capillary. Full online control of pressure and flow Measuring response: Sensitivity: $\pm 0.5\%$ of span Linearity: $\pm 0.5\%$ of span Repeatability: $\pm 1\%$ Sampling and valves: Diaphragm valves, diaphragm piston valves, sliding vane rotary valves, slider valves, or liquid injection valve Auto sampler for liquid injection Hept syringe adapter Rinse with two different solvents Rack of samples: at least 60 positions for capacity 1-2 ml vials Column: Standard and suitable column with guard column according to the HPLC system. Gas supplier Nitrogen compressed gas cylinder, purity 99.998% Helium compressed gas cylinder, purity 99.998%	GC	

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				Hydrogen compressed gas cylinder, purity 99.999% Inlet Pressure: 2-125 psig (825 kPa) Airflow, regulators and connectors All proposed units should be work in electricity with frequency of 220v - 230v, 50/60Hz. ISO 13485, CE certificates or equivalent.
		Warranty: 1 year. Installation: Successful Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each TLC Plate Cutter size: 200x260 mm. Drying Rack: 1 with the formats 200 x 200, 290 x 100 and 290 x 50 Simultan Separating Chamber: The vertical grooves transverse walls should hold up to five 300 x 200 mm plates. Desiccator Opener: This opener should be suitable sizes of desiccators. Thin Layer Chromatography Frit Capillary Dispensing Pipettes: The pipettes should fit automatically when they are dipped into the sample Capillaries: Their accuracy should be better than 1% (Series). ISO 13485, CE, FDA certificates or equivalent
		Warranty: 1 year. Installation: Successful Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each Fully PC based Atomic Absorption Spectrophotometer flame and flame system automatic operation. Detector Light Source: Hollow Cathode Lamps (HCL). Background Correction: Deuterium. Wavelength range: 185-900 nm. Design: Czerny Turner Spectrometer. Wavelength Precision: 0.005nm. A suitable computer system must be provided system that can handle all the operation. Power supply: 240 V, 50/60 Hz. ISO 13485, CE, FDA certificates
		Warranty: 1 year. Installation: Successful Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each Measuring range: 0.0001g-220g. Repeatability: 0.1mg. Full Linearity: 0.2mg. Response Time: 3 sec. Automatic Calibration. PC Interface, USB. Calibration Certificate calibration weight set. Operating Temperature Range: °C. Power supply: AC 100-240 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.

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0 T/C places mm. in the n F/C lab for all er type III Micro (100-3000 sem	Thin Layer Chromatography (TLC)	1
er fib or 30 sens. found omical eision : led in this ply (C 10) or equivale	Volume Absorption Spectrophotometer	1
Tal Range: ative internal le with e: 10 to 40 185°C.	Analytical Balance	1

arranty: 1 year. Installation: Successful training: on-site comprehensive training for minimum of two scientific personnel creating the system	1	Each	Maximum number of samples per test: 6. Temperature precision $\pm 0.5^\circ\text{C}$. Solvent recovery %: Up to 80. External dimensions L x D x H mm: 680 x 330 x 580. Accessories: Extraction thimbles set. Extraction vessel test. Main fields of application (food, pharmaceutical, chemical and cosmetics) Power supply: (100 to 240V) V - 50/60 Power: ISO 13485, CE, FDA certificates or equivalent.	Soxhlet Extraction	5
arranty: 1 year. Installation: Successful training: on-site comprehensive training for minimum of two scientific personnel creating the system	1	Each	Hand / Motor lift, hand lift. Height adjustment speed: manual. Height adjustment: 155 mm. Rotation speed: 10 – 280 rpm. Rotation speed setting: 3.5" LCD display. Drive: brushless DC motor with electronic speed control. Heating capacity: 1300 w. Temp. range heating bath: 20 – 210 $^\circ\text{C}$. Temperature accuracy bath: ± 1. Overheat protection bath, cut-off at 5 $^\circ\text{C}$ over set temperature via separate Pt 1000. Bath temperature control: electronic LCD display. Heating bath temperature control: electronic digital. Material heating bath: stainless steel. Diameter heating bath: 255 mm. Volume heating bath: 4.5 l. Timer: yes. Rate of evaporation: Ethanol: 3.5 l/h. Water: 1.2 l/h. Condensing surface: 1,200 cm². ISO 13485, CE, FDA certificates or equivalent.	Vacuum Rotary Evaporator (it includes vacuum pump and water chiller)	6
arranty: 1 year. Installation: Successful training: on-site comprehensive training for minimum of two scientific personnel creating the system	1	Each	Speed Range: 50 rpm to 2000 rpm. Stirring Capacity 4l temperature range: 80-380 $^\circ\text{C}$. Maximum load: 15 to 20 KG. Body Material: Polypropylene. Corrosion resistant surface and panels. A design that prevents liquid spillages from entering the instrument. Digital Output connectivity, RS232. Rebot stand attachment(s). Set safety temperature limit displayed digitally. Power supply: AC 100-240 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Hot Plate with Magnetic Stirrers	7
arranty: 1 year. Installation: Successful training: on-site comprehensive training for minimum of two scientific personnel creating the system	1	Each	Volume: 20 L. Temperature range: 15-100 $^\circ\text{C}$. Temperature Resolution Ratio: 0.1 $^\circ\text{C}$. Power: 2 KW. The proposed units should be work in electricity voltage and frequency of 220v - 230v, 50/60Hz.	Water Bath	8

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		Warranty: 1 years. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	External dimension (mm): 524x1067x574. Inner dimension (mm): 483x853x560. Dehumidification H2O electrolysis discharge by solid polymer electrodehumidification element. Dehumidified ability (30% rh is set). Within 8 hours. • Humidity Range: 60% RH. 0 to 60 °C/10 measurement range 60 % Temperature and humidity sensors: Temperature thermistor elements, humidity/resistive low humidity measurement sensors. Area of dehumidifying element: about 49 cm². Temperature humidity display accuracy: ± 1 °C. Power Supply: 230 V, 50/60 Hz. ISO 13485, CE, FDA certificate equivalent.
		Warranty: 1 years. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each Each TL/C Plate Cutter size: 200x200 mm. Drying Rack TL/C plates with the formats 200 x 200, 200 x 100 x 50 mm. Simultaneous Separating Chamber: The vertical grooves in the transverse walls should hold up to 1 x 200 mm TL/C plates. Desiccator Opener: This opener should be suitable for all sizes of desiccators. Thin Chromatography Filter Paper: Capillary Dispensing Pipettes: The pipettes should fill automatically when are dipped into the sample liquid. Micro Capillary accuracy should be better than 1%. Power Supply: 230 V, 50/60 Hz. ISO 13485, CE, FDA certificates equivalent.




in system: Analytic When : 10 to RH.	Digital Dry Desiccator	23
ance ape re and 100- s or : 10 and 200		
Thin Layer Chromatography (TLC)		24

Warranty: 1 year Installation: Successful Training: on-site Comprehensive training for minimum of two on-site personnel Integrating the system	1	Each	RPM range: 50-5000 RPM Increment range: 5 RPM Timer facility 1 min to 15 min or beyond. Rotor capacity: 12 or more (5-15 ml) Rotor type: fixed angle rotor. Power Supply: 100-230 volt, 50-60 Hz ISO 13485, CE, FDA certificates or equivalent.	9	Digital Controlled Centrifuge
Warranty: 1 year Installation: Successful Training: on-site Comprehensive training for minimum of two on-site personnel Integrating the system	1	Each	Temperature range: -12 - 24 °C. Capacity Range: 2.1 cubic feet Door Swing: Left Hinge Double-Swing. Power Supply: 100-230 V, 50-60 Hz ISO 13485, CE, FDA certificates or equivalent.	10	Freezer (-20)
Warranty: 1 year Installation: Successful Training: on-site Comprehensive training for minimum of two on-site personnel Integrating the system	1	Each	Height: 68 in. Depth With Door Open 99 Degree: 57.9 in. Depth: 37 in. Capacity: 17. Cabinet Width: 28.9 in. Refrigerator Volume: 13.66 cu. ft. Door Style: Countertop Handle Material: Plastic. Location of Controls: Interior Top Front. Deli Drawer: 1 Flexi-Slide Bin. Door Bins: 2 Fixed Full-Width. Lighting: LED. Features: LED Lighting, EZ Connect Iceemaker Kit Compatible, Flexi-Slide Bin, Humidity-Controlled Crispers. Power Supply: 100-230 V, 50-60 Hz ISO 13485, CE, FDA certificates or equivalent.	11	Refrigerator
Warranty: 1 year Installation: Successful Training: on-site Comprehensive training for minimum of two on-site personnel Integrating the system	1	Each	pH range: 0 to 14, mv, ±1999, Accuracy: ±0.02, operating temperature: 5-40 °C. Calibration: 1-3 points automatic calibration with calibration instruction and self-diagnosis. Temp. measuring range: 0 to 100 °C. Power Supply: 100-230 volt, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	12	Bench top pH meter

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Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature range : 50-300 °C. Chamber volume: stainless. Power supply: AC 100-240 V , 50,60 Hz CE, FDA certificates or equivalent.
Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Light Source: Quartz-halogen lamp 6V/10W. Wave Absorbance 230-750 nm-. Accuracy : 1nm Fluores- - 850 nm. Em 380 - 850 nm Accuracy $\leq$ 2nm. Fi- position filter wheel, the instrument is delivered wi- following standard filters installed: 105nm, 450nm 650nm. Resolution: 0.001 Abs. Display: High count display (480 x 272 dots). Temperature control : An- 45°C. Calibration plate: 96-well calibration plate not calibrated for the wavelength (e.g.: 630 nm, 650 nm nm). Calibration Certificate from ISO 1 accredited laboratory. ELISA Microplate Washer sh- automatic plate washer With 17D specifications. CE Washing of 96 well microplates and strips, with flat- "V" bottom well. Header With non-pressurized bot- biosafety. Wash, rinse and waste (volume 1-6 L). Re- volume: $\approx$ 2 µL. Dispensing volume: 50-400 µL for 9 Data Transfer: USB Port Number of wash protocols Power Supply: 100-230 V, 50/60 Hz ISO 13485. C- certificates or equivalent.




100 L. walls: ISO 13485.	Dry over	13
length: ence 1x 230 ers: 8- th the 62mm and astrolor bent 5°C to 1.4 mm; 450 ustor 702 NABL Fully ability: e need, or e maintain sided 6 with plate, up to 99. ELISA	ELISA Ready with Plate Wash	14

With in 1 year. Installation successful from the 1st construction starting for a minimum of two weeks without any interruption system	1 Each	Cabinet (Material of construction): Cabinet should be made from Galvanized Iron 18 SWG sheet metal with polyurethane paint coated finish and bottom will be supported with MS with PU coated modular stand which can be adjustable for height with leveling legs/or motorized. External surfaces to be coated with antimicrobial coating to protect against surface contamination and inhibit bacterial growth. Interior work area to be from a single piece of stainless-steel with large radius corners to simplify cleaning. The cabinet work area must have s no welded joints, which collect contaminants or rust. Unit front door Made of clear 5 mm thick Toughened glass, vertical sliding, with Feather touch Motorized operation, while opening the door UV Lamp will be cut "OFF". And while closing the door UV Lamp will be "ON". Automatically. Side Panels: Both the sidewalls are made from double layered outer Cl & inner stainless steel with return-air plenum in between. Edges should be perforated to avoid entry of room air into the work zone and exit of contaminated air in to the room and such contaminated air is sucked through this full height perforation at the edges of the sidewalls. A recessed central area with drain pan to contain spills and prevent liquid from entering the lower filtration unit. The BSC shall be ergonomically designed for maximum user comfort and a dustability. Fail-safe system to ensure that in case of exhaust failure, the cabinet's main fan automatically shuts down to ensure safety to the user. Air Balance: 100% Exhaust & 0 % Recirculation. Direction of flow: Vertical. HEPA Filters: Type: Separator less type. Mini-Pleats HEPA Media. Media: Ultra clean glass fiber paper. Retention: 0.3 Micron Efficiency: 99.997%, Initial Pressure: 1.2 mm WG, Grade: H14 rating, Real-time display panel for remaining Filter. ISO 13485, CE, FDA certificates or equivalent.	Biosafety Cabinet class 2 type B2	15
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Gelen Evrak Tarih ve Sayısı: 20.08.2025 - 44073043 - 720.08.01 - 4192



OCL lab - Team

		Warranty: 1 year. Installation: successful Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Air velocity: 0.3-0.8 m/s. System exhaust volume: 11 Max opening: 750 mm. Exterior material: 1 mm cold- with bacteria powder coating. Interior material: comp board with good acid and alkaline resistance function. 1.6 (40W/L). work surface height: 900mm Noise level: 68 Exhaust duct: PVC, standard length: 4.3 meters, 300m proposed units should be work in electricity voltage a frequency of 220v - 230v. 50/60Hz. ISO 13485, CE, certificates or equivalent.
			16	Total Number of Device	

40m3 th. polished steel sheet material type L170 mm. The and PDA	lume hood	14
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Food and Water Accessorie and Kits

واحد	دېپارتمنت	مقدار	مشخصات تخنیکي	نام دستگاه	ردیف
Each	All Dep	1	Capacity: 250 ml. Holder: Ceramic Wich. Cap: Plastic Snuff.	Alcohol Burner	1
Each	All Dep	1	Height: 8.5in (216mm). Inlet: 5/16in (7.9mm) OD serrated gas. high-temperature unit for use with an extremely hot flame and forms uniform blue heat cones with no backlash. with one-piece unit has a nickel-plated venturi 1.5in (38mm) mixing tube with monel grid and mesh backing, a knurled adjustment valve, an octagonal base. or equivalent.	Gas Burner	2
rolls	All Dep	2	Percentage Purity: 99%. Thickness: 0.3mm. Temper: Hard. Length: 7m. Width: 0.30m . Technical Name: or equivalent.	Aluminum foil	3
pair	All Dep	2	made of polychloroprene, approx. 31 cm long, anatomical shape with good gropeability, sanitised, cotton lined, patterned for a non-slip grip, cotton flocked, high abrasion resistance, resistant to many chemical substances such as acids, bases and organic oils and fats as well as bacteriological contamination, glove can be used universally for laboratory, trade and industry, excellent abrasion resistance and thereby very long service life, size 7.5, 8, 9 and 10. or equivalent.	Chemical Protective Gloves	4

قيمت مجموعى	قيمت فى واحد				





QCL-Lab Team

	pcs	All Dep	4	Lens Thickness: 3mm. Lens Size (Vertical): 60mm. Lens (Horizontal): 140mm. Overall Length (Lens edge): 182mm (Approx.). Strap Length: 240mm (Approx.). Height: 75mm Width: 88mm. or equivalent.
	Each	All Dep	8	Material: Polypropylene. Color: red. Easy to clean. Resists acids and alkalis. Quick-Release for up to 25ml. Pipette equivalent.
	Each	All Dep	50	Size: Medium. Colour: blue. Dimension L x W x H (mm) 85x85x24. Volume (ml): 85. or equivalent
	Each	All Dep	50	Size: Medium. Colour: White. Dimension L x W x H (mm) 108x185x26. Volume (ml): 260. or equivalent
	Each	All Dep	8	Shape: Pointed end, blunt end. Length (Metric): 15 cm. A Stainless Steel or equivalent.
	Each	All Dep	8	Dimensions: 335 x 35 (25) x 6 (1.0) mm. Material: stainless or equivalent
	Each	All Dep	8	Capacity: 250 ml. Dimensions: 60x60x160 mm. or equivalent
	Each	All Dep	4	Capacity: 500 ml. Dimensions: 90x90x190 mm. or equivalent
	set/12	All Dep	4	Hard nylon bristles on twisted C.I. wire, head 140 x 63 mm overall length 400 mm. or equivalent.
	pcs	All Dep	4	Water dip, 45mm soft bristles, 65 x 420 x 65mm. Max 500 equivalent.
	box (100 pcs)	All Dep	4	Volume Range: 0.5-20 µl. Length: 46 mm. The tip/shoutle graduated at 2 µl and 10 µl for quick volume check. Color or equivalent.

box (100 pcs)	All Dep	4	Volume Range: 50-1000 µl. Length: 70 mm. The tips should be graduated at 250 µl, 500 µl and 1000 µl for quick volume check Color: blue or equivalent.	Micropepette tips	16
set	All Dep	4	Included a box + 1 bar retriever (150 mm). Cylindrical bars: () 3 x 12 mm, Ø 4.5 x 15 mm, Ø 6 x 20 mm, Ø 6 x 25 mm, Ø 6 x 30 mm, Ø 8 x 40 mm, Ø 8 x 50 mm, Ø 9 x 60 mm, Ø 9 x 70 mm, () 10 x 80 mm, cylindrical with rings: () 5 x 15 mm, Ø 6 x 25 mm, Ø 8 x 40 mm, triangular: Ø 8 x 25 mm, Ø 12 x 50 mm or equivalent	Magnetic stirrer bar set	17
pack 100 pcs	All Dep	2	No: 41. Material: Circles cotton filters. Parameter: 0.22 psi wet burst 54 sec 160 mL speed. Diam: 125 mm, thickness: 220 µm. Pore size: 20-25 µm or equivalent.	Whatman Filter paper	18
pack 100 pcs	All Dep	2	No: 42. Material: Circles cotton filters. Parameter: 0.22 psi wet burst 54 sec 100 mL speed. Diam: 125 mm, thickness: 220 µm. Pore size: 2.5 µm or equivalent.	Whatman Filter paper	19
Bottle (500ml)	All Dep	4	PH: 4.0 (25 °C in H ₂ O). Grade: Certified reference material. Quality Level: 33. Format: Mixture storage temp: 15-25 °C or equivalent.	Buffer solution	20
Bottle (500ml)	All Dep	4	PH: 7.0 (25 °C in H ₂ O). Grade: Certified reference material. Quality Level: 33. Format: Mixture storage temp: 15-25 °C or equivalent.	Buffer solution	21
Bottle (500ml)	All Dep	4	PH: 10.0 (25 °C in H ₂ O). Grade: Certified reference material. Quality Level: 33. Format: Mixture storage temp: 15-25 °C or equivalent.	Buffer solution	22
pcs	All Dep	2	Length (Metric): 200 mm. Material: Stainless Steel. Tip Style: Sharp/Round or equivalent.	Laboratory Scissors	23
184			Total Number of Items		

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Medicine Department Accessorice and Kits

قيمت مجزئي	قيمت في واحد	واحد	تقدير قيمت	مقدار	مستلزمات تفصيلي
		Each	Physicst-Chemistry; Microbiology, Water- Chemistry, Toxicology	3	Capacity: 250 ml, Holder (1 and 10); Plastic Snuff, or equivalent.
		Each	Physicst-Chemistry; Microbiology, Water- Chemistry, Toxicology	3	Height: 8.5in (216mm), Inner (17.9mm) OD serrated gas, 10.0in (254mm) unit for use with an external, by forms uniform blue heat (6.4in) W, blackish with one-piece, 10.0 in, placed venturi 1.5in (38mm) with monel grid and mesh, 10.0 in, adjustment valve, an octagonal 1" x equivalent.
		rolls	Physicst-Chemistry; Microbiology, Water- Chemistry, Toxicology	7	Percentage Purity: 99%, 1in (1.25in) Imper. Hand Length: 7in (17.8cm) Technical Name: Aluminum, or equivalent.
		rolls	Physicst-Chemistry; Microbiology, Water- Chemistry, Toxicology	7	width: 5 cm length: 75 in (191.5cm) gm. Liquid impermeable, gas permeable; Temperature range: -10 °C or equivalent.
		rolls	Physicst-Chemistry; Microbiology, Water- Chemistry, Toxicology	7	width: 10 cm, length: 75 in (191.5cm) gm. Liquid impermeable, gas permeable; Temperature range: -10 °C or equivalent.

تاریخ و شماره	شماره	
Alcohol Burner	1	
Gas Burner	2	
Aluminum foil	3	
Paraffin tape	4	
Paraffin tape	5	

pair	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	made of polychloroprene, approx. 31 cm long, anatomical shape with good gripability, sanitised, cotton lined, patterned for a non-slip grip, cotton flocked, high abrasion resistance, resistant to many chemical substances such as acids, bases and organic oils and fats as well as bacteriological contamination, glove can be used universally for laboratory, trade and industry, excellent abrasion resistance and thereby very long service life, size 7, 5, 8, 9 and 10 or equivalent.	Chemical Protection Gloves	9
pair	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Versio: Five-finger glove Length: 310 mm, Size: 10, or equivalent.	Heat- and chemical gloves	7
box (100 pcs)	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	50	Colors: Milky White, Size: M Type: Powdered or equivalent	Latex gloves	8
box (100 pcs)	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	50	Colors: Milky White, Size: L Type: Powdered or equivalent	Latex gloves	9
bag (100 pcs)	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	250	Material: Non Woven, Elastic, Double Cotton, White, Weight (g/m ²): 102 ± 2g, Size: 12 inch or equivalent	Flair net	10





QCL-Lab Team

		pair	Physic-Chemistry, Microbiology, Water- Chemistry, Toxicology	50	Material: TPE. One injection nozzle. High temperature sterilization. Not washable. General anti-static Flat. Big head shoes design (ergo- design). Two side double vent holes. Size: 40-44 (size 10: 29 pair, size 43: pairs, size 42: 10 pairs, size 41: size 44: 20 pairs) or equivalent.
		pcs	Physic-Chemistry, Microbiology, Water- Chemistry, Toxicology	24	Lens Thickness: 3mm Lens Size: 60mm Lens Size (Horizontal): 18mm Overall Length (Lens edge): 18mm (approx.). Strap Length: 240mm Height: 75mm Width: 85mm or equivalent.
		pcs	All Day	7	Suitable for use with all forceps and magnetic particle separator (UV-A, B & C sources, certified or equivalent)
		pack (10 pcs)	Physic-Chemistry, Microbiology, Water- Chemistry, Toxicology	14	Feature: Eco-Friendly, shockproof, tube. Style: Hand Color: White Length: 20 cm. Material: Nylon steel. Package included 10 Pcs of
		Each	Physic-Chemistry, Microbiology, Water- Chemistry, Toxicology	14	Capacity: 500 ml. Ideal for a wide grinding application in the Lab. 19 mm. Long about 95 mm or equivalent.

11	Latent prints shoes	Latent prints on shoes	Latent prints on shoes
12	Latent prints on shoes	Latent prints on shoes	Latent prints on shoes
13	Latent prints on shoes	Latent prints on shoes	Latent prints on shoes
14	Latent prints on shoes	Latent prints on shoes	Latent prints on shoes
15	Latent prints on shoes	Latent prints on shoes	Latent prints on shoes

Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Capacity: 150 ml. Ideal for a wide variety of grinding application in the Lab. Diameter: 83 mm. Long about 95 mm. or equivalent	Mortar and Pestle	16
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Materials: Polypropylene. Rotary rack with solid base for safe standing. Rotary base and protects the pipettes' tips. 94 openings with different diameters for graduated pipettes and volumetric pipettes of all sizes or equivalent	Pipette racks	17
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Color: white. Material: Acrylic. Capacity: 8 pipettes or equivalent	Color Acrylic Pipette Stand	18
each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Volume: 1-25 ml. Color: red. Material: natural rubber or equivalent	Color Pipette Bulb	19
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Material: Polypropylene. Color: red. Easy to clean. Resistant to acids and alkalis. Quick Release for up to 25ml. Pipettes or equivalent.	Mortar Pipette Filler	20
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	High-Grade Stainless Steel. Shelves, Adjustable shelves, providing flexibility in storing containers of varied sizes. Doors Lockable. Size (WxDxH): 34-Inch x 34-Inch x 65-Inch. or equivalent.	Reagent Cabinet	21

(Handwritten signature)

QCL-Tab Team

			Physic-Chemistry & Toxicology	2	Door Type: Manual Self-Close: 1st gnd Dimension W= D=157mm, H=1651mm, Shelves: 2 equivalent
	Each		Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	21	Length: 1570 mm, width: 200 mm, w spoon: 22 mm, spoon capacity: 2,5 equivalent
	Each		Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Material: Stainless Steel, Diameter (Outer): 60 mm, Width (Outer): 100 mm, Direction: L x W: 100 x 10 mm equivalent
	Each		Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Color: Grey, Dimension (WxDxH): 50 x 75 x 50 or equivalent
	Each		Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Size: 10 cm, Pieces: 40 Pieces, L x W: 248 x 75 x 10 mm, or equivalent
	Each		Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	1-eg: Material: Stainless Steel, Type: (Base: Microbiology, Leg: Length: 150 cm), Top: Support: 1st diameter: 110 cm, Section: 1st: 110 x 110 cm/6 Standing: attached to a Bunsen burner or equivalent
	Each		Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Material: 304 Stainless Steel or equivalent
	Each		Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Made of zinc plated steel with a flat joint and easy grip handles. The handles: plastic coated for a sure grip. Maximum jaw opening: (180mm) at (218mm) or equivalent.

pack (100 pcs)	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Material: Low density polyethylene. Size: 3 ml. or equivalent.	Dropper	30
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Sturdy metal rod. Chemically-resistant base. Perfect for distillation, titration, filtering, & more. or equivalent.	Ring Stand (retort stand)	31
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	hold buccities from 10 to 100 ml. square clamping mechanism. insert buccities. release to hold securely. made of aluminum with white enamel finish. attaches to support rods up to 17 mm diameter. or equivalent	Double Barce Clamp	32
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Material: Stainless Steel Item dimensions: LxWxH: 8 x 5.25 x 24.5 inches. Color: Blue. Metallic Rod: 24 Inch. Use for Glass Funnel Stand or Test Tube Holder. or equivalent	Lab Support Ring	33
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Type: Laboratory Test Tube Clamp Material: Stainless steel/Nickel-plated Brass Length (Metric): 13 cm. or equivalent	Test Tube Clamp	34
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Material: Polypropylene. Diameter: 90 mm. Capacity: 300 ml. Small perforations for better filtration efficiency: 90-100 or equivalent.	Buchner funnels	35
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Material: Glazed porcelain. Temperature resistance: use up to 1050° C. Dimensions: 38 mm high x 55 mm. Lid fits loosely or equivalent.	Crucible and Cover	36





QCL-Lab Team

			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	material: ceramic, can withstand temperatures, or equivalent
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Diameter: 100 mm. Product as concave sphere can be used for applications in evaporating in glass. Product color: transparent equivalent.
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Capacity: 100 ml Diameter: 100 mm, height: 40mm. Thermal procedure and placed inside for or equivalent.
			pair	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	-	Heat Resistant: 200 °C (Not Specified)
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	1	Size: 6x6 inch, Shape: square 3 mm. Material: Aluminum or equivalent.
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	20	Size: Frequency: 1000 Hz, 70-75 W x 11 mm) 85x85x24 Volume or equivalent.
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	50	Size: Medium, Color: White 18 W x 11 (mm): 108x183x76 Volume or equivalent.
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	-	Shape: Pointed end, blunt end, 1 (Metric) 15 cm. Material: Stainless equivalent.

and extreme	Clay Frame	2
use: The slightly some uids. Material: or	Wash Glass	88
approximately ly-soluble easylaking	Exporating Bush	89
ip.	Hot Air	90
This case, 2- Weighing equation	Wet Pan	91
ation L/V ne (L.V.) 85	Weighting Tool	92
Dimension L (value, cm.)	Weighting Tool	93
cent less steel or Scoop)	Scoopula (Metal Scoop)	94

Each (10 pcs)	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	2	Dimension (LxWxH mm): 127.71 x 85.43 14/10 columns; rows: 12/8 Bottom: round, or equivalent.	96 well plate	15
Each (10 pcs)	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Length (Metric): 250 mm, Tip type, Rounded autoclavable at 121°C or equivalent	Forceps	16
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Temperature Range: -10 to 100°C Division: ≤2 °C Type: Mercury-in-Glass, Length: 16 cm or equivalent	Thermometer	17
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Dimensions: 333 x 33 (25) x 6 (10) mm Material: stainless steel or equivalent	Rule	18
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Dimensions: 1000 (1000) x 25 (10) x 10 (5) mm Material: Polystyrene or equivalent	Polystyrene Stirring Rods	19
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Capacity: 250 ml, for solids and liquids, Materials: stainless steel or equivalent	Stirring Rod	20
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Capacity: 250 ml Material: Polyethylene Mouth Diameter: 38mm Graduations Increments: 100ml, or equivalent	Squeeze Wash Bottle with Screwcap - Wide Mouth - Polyethylene	21
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Capacity: 250 ml, Dimensions: 60x60x160 mm, or equivalent.	Wash Bottle	22
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Capacity: 500 ml, Dimensions: 90x90x190 mm, or equivalent	Wash Bottle	23



QCL-Lab Team

	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Size: 10 inch, Overall Length: Overall Width: 16mm Material: Carbon Steel or equivalent
	Each	Medicine physiochemistry	14	Size: Universal, Large jaw, For O.D. 21mm-38mm, Small jaw O.D. 18mm-20mm, or equivalent
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Product Size: 52mm x 85mm, Nickelplated magnet holds cup, Premium Stainless Steel finish
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Material: Stainless Steel, Size: Material: Stainless Steel, Product Dimensions: 2.04"W x 8.23"H
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Material Type: Stainless Steel, C2 professional Portable Drink Beverage Drink (Pneat or eq
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Material: High Density Polyeth (capacity: Metric: 20 L., Diameter: 36" x 165 x 485 mm or
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	For filter paper dia (mm): 125, plastic or equivalent.
	pcs	All Dep	7	flaring protection band wavelet protection band waveband or e

365mm at High	Longitudinal	54
cap with For cap with ben	MTL11- FUNCTIONAL VIAL OPTIMR	55
Multi-m ones opened openable	Push-Yod Pop Magnetic Bottle Opener	56
sim's Blade et on quiver Sawyer	Stainless Steel Abrasive Co Sawyer	57
in open est m	Crucible	58
iveler ision of A A equation	Male Neck Irritant with Th colored connector	59
1500ml to	Panel with internal	60
and change equation	Leaving Protection and waveband	61

PCS	All Dep	7	Fittings, filter valve, With FFP-2 and FFP-3 levels Application: For use in pharmaceutical and medical laboratories and clean rooms or equivalent	Respiratory protection mask	63
set 12	All Dep	7	Hard nylon bristles on twisted G.I wire, head 140 x 65 mm, overall length 160 mm or equivalent	Brush for round bottom flask	63
PCS	All Dep	7	Product Dimensions: 15 x 0.75m (320 x 19mm) LW or equivalent	Laboratory Brush set	64
PCS	All Dep	7	Wet/dry dip, 4.5mm soft bristles, 6.5 x 120 x 6.5mm Max 50 x or equivalent	Nylon brush (Viduan Hand Brush)	65
roll	All Dep	7	Backlog, impregnated white paper Adhesive: Dry natural rubber and resins Length: 50m Width: 19mm Total thickness: 0.135mm Tensile strength: 85 N/25 mm Adhesion to steel: 7 N/25 mm Elongation: 5% Sterilization conditions: 15 min/ 121°C/ 10 min/ 131°C Indicator colors: Light green to medium dark green Expiration: 30 months or equivalent	Sterilizer indicator tape	66
Box (100 pcs)	All Dep	7	Volume: Range 0.5-20 µl Length: 46 mm The tips should be graduated at 2 µl and 10 µl for quick volume check (color gray or equivalent).	Micropipette tips	67





QC1-Lab Team

	box (100 pcs)	All Dep	7	Volume Range: 50-1000 µl (capacity) The first should be graduated in 50 µl and 1000 µl for quick volume check blue or equivalent
	pcs	All Dep	7	Top and middle plate hole diameter: 7.9mm. Bottom plate diam holes: 3.3mm. Distance between top and plates: 10.5cm. Sterile autoclavable or equivalent.
	pcs	Microbiology & Toxicology	3	Volume Range: 0.5 to 300 µl (1.5 ml) Adjustable Channels: 8 or equivalent
	set	All Dep	7	Included in box: 1 bar (thickness: 0.7 mm), 1 cylindrical bar: (Ø 3 x 12 mm), 1 cylindrical bar: (Ø 6 x 20 mm), 1 cylindrical bar: (Ø 6 x 35 mm), 1 cylindrical bar: (Ø 8 x 40 mm), 1 cylindrical bar: (Ø 8 x 50 mm), 1 cylindrical bar: (Ø 9 x 70 mm), 1 cylindrical bar: (Ø 10 x 80 mm), 1 cylindrical bar: (Ø 5 x 15 mm), 1 cylindrical bar: (Ø 8 x 40 mm), triangular: (1 x 5 x 12 x 50 mm or equivalent)
	pack/100 pcs	All Dep	7	Note: Material: Circles cotton for 25 Parameter: 0.22 psi wet bond strength speed, diam: 125 mm thickness: 2.5 Pore size: 11 µm or equivalent



70 mm 1.500 µl 5.000 µl	Altoprakite H ₂ O	68
2mm Bottom 1.121 µl	Petroleum	69
Microplate reader	Microplate reader	70
Altoprakite H ₂ O	Altoprakite H ₂ O	71
Waterman filter paper	Waterman filter paper	72

pack/100 pcs	All Dep	7	No. 41, Material: Circles cotton filters Parameter: 0.22 psi wet burst 5 l/sec 100 ml speed, Diam: 125 mm, thickness: 270 µm, Pore size: 20-25 µm or equivalent	Whatman filter paper	73
pack/100 pcs	All Dep	7	No. 42, Material: Circles cotton filters Parameter: 0.22 psi wet burst 5 l/sec 100 ml, speed, Diam: 125 mm, thickness: 270 µm, Pore size: 2.5 µm or equivalent	Whatman filter paper	74
pack/100 pcs	All Dep	7	Pore size: 0.45 µm, Material: Mixed cellulose esters, Diameter: 47 mm or equivalent	Membrane filter paper	75
pack/100 pcs	All Dep	7	Pore size: 0.45 µm, Material: Nylon Diameter: 20 mm or equivalent	Syringe filter, Nylon Syringe 100 ml	76
pcs	Toxicology and Physico- chemistry	7	Material: Stainless Steel Syph. Mesh Size: 18 mesh test sieves, Diamet.: 70 mm, Height: 60 mm or equivalent	Plastic Remover	77
pcs	All Dep	7	Measurement ranges: 0 to 100% r.h., 30 to 100 °C, Resolution: 0.01% r.h., 0.01 °C, Accuracy: ±2.0% r.h. at 25 °C, ±0.5 °C at 25 °C, Display: dual LCD or equivalent	Digital Hygrometers	78





QCI-lab Team

	Each		10	7	Display: Digital LCD Digits 12.1" Power Dimensions (L x W x H): 8.140 mm, 1.50 Steps Check, Plus Battery: 1x LR11 With Review & Review go to function-connect key equivalent
	Each	Toxicology and Physico-chemistry		2	Measuring range: 0.001-0.100, overall length around 25.0 mm (1) equivalent.
	Bottle (500ml)	All Dep		7	PIE: 4.0 (2.5 x 1.1 x 1.7) (mole C) reference material (mole C) 1 each Format: Absorbance storage temp: 15 equivalent.
	Bottle (500ml)	All Dep		7	PIE: 7.0 (2.5 x 1.1 x 1.7) (mole C) reference material (mole C) 1 each Format: Mixture to age temp: 15 equivalent.
	Bottle (500ml)	All Dep		7	PIE: 10.0 (2.5 x 1.1 x 1.7) (mole C) reference material (mole C) 1 each Format: Mixture storage temp: 15 equivalent.
	pes	All Dep		7	Length: 100 mm Material: Steel, Tip Style: Sharp/Round or

Two Way 30.1 x 12.3 Side Keys & Auto Lock or	Cellulose	79
Grass Alcoholmeter Hydrom eter	80	
Plastic solution	81	
Identified 33.33 250.00 to	82	
Plastic solution	83	
Plastic solution	84	
Plastic solution	85	
Plastic solution	86	
Plastic solution	87	
Plastic solution	88	
Plastic solution	89	
Plastic solution	90	
Plastic solution	91	
Plastic solution	92	
Plastic solution	93	
Plastic solution	94	
Plastic solution	95	
Plastic solution	96	
Plastic solution	97	
Plastic solution	98	
Plastic solution	99	
Plastic solution	100	

roll	All Dep		7	Range: 1-14, Pack Size: 5m x 5m Reel or equivalent	PH Indicator papers	85
box/set	All Dep		1	Path length mm: 10, Type: Macro with lid Material: glass, Absorbance range: Visible range at 440nm, 465nm, 516nm, 590nm and 635nm wavelengths, Wavelength in the UV and visible range at 279,3nm, 360/9nm, 433,5nm, 536,5nm and 637,6nm or equivalent.	Spectrophotometer Calibration Standards	86
box (4 pcs)	All Dep		1	Polished Window: 2 Capacity: 150 ml Outside Dim. (mm): 45 x 11 x 35, Inside Dim. (mm): 43 x 9 x 33, Length (mm): 10, Inside Width (mm): 10 or equivalent.	Standard UV quartz cuvette with lid	87
pcs	All Dep		7	Plate size: 80x75 mm, Max. Net load capacity: 30 kg, Working height: 107, 117, 127 mm, Color: blue or equivalent	Plates (Bo)	88
Each	All Dep		7	Capacity: 40 L. or equivalent	Roll pedal bin	89
each	All Dep		7	Maximum usable capacity: 10 L. Material: PP, With handle or equivalent	Pure water storage tanks	90
each	All Dep		7	Maximum usable capacity: 25 L. Material: PP, With handle or equivalent	Pure water storage tanks	91



h ve Sayısı: 20.08.2025 - 44073043 - 720.08.01 - 4192

QCL-Lab Team

					Print Method: Direct thermal, the transfer, Display: LCD with built-in touch screen, Connectivity: Ethernet 2.2, USB Host, Wireless Co Bluetooth, Type: Desktop, Max Print speed: 127 mm/s, Max Print resolution: 600 dpi, Max Print length: 2.28m, RAM: 4 MB SDRAM, Keyboard: Standard keyboard or equivalent
	cmh	All Dep		1	Volume: Range: 0.5ml-50ml, Accuracy: max: 500nbar, Accuracy: max: 500nbar, Temperature max: 100°C, max: 25 cm³ or equivalent
	cmh	All Dep		2	Used in many organic and inorganic reactions. Materials in contact with the reagent should be resistant to most acids, solvents and bases. Suitable at 121°C (2 bar) and 121°C (2 bar). DIN EN 183, ppm threaded, safety glass, suction tube, no organic quality certificate and instructions. Sealed volume 1-10 ml, with a 0.1-25, 0.28, 0.32, 0.38 and 0.45. Telescope, aspirating tube 125-130, available for sale in Spain or equivalent





Serial RS- connectivity? Print speed: in Width: mm.	Label printer	01
Exo- mic tensity	Photocopied process	02
ue l on are of RS- width to ay h se lapp to a mber? able	Photocopied process	03

pack	All Dep	7	Size: 1000 x 1000mm, 3-ply material, Fire blanket to extinguish fires, Two layers of woven fibre glass and a fire retardant inner, Clearly labelled PVC wallet or equivalent	Container for fire blanket, fibreglass	95
each	All Dep	7	Capacity: 4.5 KG, Fire rating: 4A:60B:E, Discharge Time: 19sec, Product Dimensions (H X Cyd O): 480mm X 145mm or equivalent.	Powder fire extinguisher	96
each	All Dep	7	Capacity: 4.5 Kg, CO2 fire extinguisher: 10 sec, Height: 140 mm, Diameter: 140 mm, Empty weight: 12.4 kg, Operating temperature: -30- (+60), Test pressure: 250 bar or equivalent.	CO2 fire extinguisher	97
each	All Dep	1	Washing Capacity (kg): 18, Drying Capacity (kg): 11, Door: Tint Door, Panel Display: AI Control, Spin Speed: 1100 rpm, Noise control: VRT Plus™ technology, Bubble technology, Net weight: 97 kg or equivalent.	Clothes washing Machine	98

1218

Total Number of Items

Gelen Evrak Tarih ve Sayısı: 20.08.2025 - 44073043 - 720.08.01 - 4192

3

QCI-Lab Team

Medicine Devision
Physicochemical Department

قيمت مجموعي	قيمت في واحد	ورائتي، نصب و تربيتي	مقدار	واحد	ملاحظات فني
		Warranty: 1 years. Installation: Successful Installation at the Laboratory Training: On-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Detector: PAD or DAD, Wavelength range (190nm - 800nm) The DAD detector must have a flow cell that can be easily cleaned if necessary. Pump: a quaternary pump system with capability of handling 4 solvents as mobile phase. These may be used together or individually or in any combination rate: 0.001 - 10ml/min. Flow rate accuracy $\pm$ 1 %. Operating pressure: lower than 60 MPa. Pump Mode: gradient system isocratic mode. Column (Vvent, Thermo) system 12 C. C The system must have an in-built degasser. Clear and easy and methods for purging must be available. The tools required the purging must be provided along with the system. The must be easy to operate with the tools provided. Appropriate for maintenance must be provided. It is preferable to have leak detection system. Some spare consumables (such as filters) must be provided initially. Autosampler can inject samples into the LC system with sample volumes ranging 0.1 microliter - 100 microliters. The autosampler must capable of holding at least 100 vials at a time and must be programmable automated injection of these these sample LC system with an interruption of the operation. The auto must be able to hold vials (approximately 1.5 ml, with acid and septa) that are interchangeable with standard HPLC vials provided by other vendors. Columns: Standard and special column with guard column according to the HPLC system software system controlling all the aspects of the HPLC's mentioned above must be provided (original disk or Drive

	نام دستگاه	شماره
جمله ای with the solvents on. Flow ation. em 90 L. they were quired for high interquots e some mla -1 g from be flow for in the osander raw cap with re n. A system e de	1111	1

1 years. on: Successful on at the Training: on- prehensive or a minimum personnel the system		(C/D). The software should have the capability of different display parameters during the run of a sample. The post run data analysis should be available in the same software where the chromatogram of a run sample must available for analysis. Data analysis must include standard chromatogram operations such as area, height, width and percentage estimation. The software system must also allow the easy integration of calibration data into data analysis methods. The software must be able to perform spectral analysis for UV visible, fluorescence and RI detectors. The software data analysis system must also allow for the integration of UV spectral library information for automatic matching of the peaks with reference spectra, even if this might not be standard features. If this UV spectral matching feature is available. A suitable computer system must be provided for this system that can handle all the operations. UPS system more than 30 min backup A generic C-18 column must be provided that can separate a mixture of polycyclic aromatic hydrocarbons. A tubing kit and maintenance tool kit must be provided along with the system. ISO 13485 CE, FDA certificates or equivalent.	
	Each	Beam Splitter : Multilayer Dielectric KBr. Detector Room temperature DLATGS mode (standard). IR source High intensity, Long lifetime, air-cooled IR source. Wavenumber range: 7800 cm^{-1} to 350 cm^{-1}. Resolution : 0.85cm^{-1}. Wavenumber Accuracy : $\pm 0.01 \text{ cm}^{-1}$. Necessary accessories. A suitable computer system must be provided for this system that can handle all the operations. Power supply: 220 V - 230 V, ISO 13485, CE, FDA certificates or equivalent.	FTIR Spectrophotometer 2

		Warranty Installation Installation Laboratory site comp training f of two scientific operating





QCL-Lab Team

		Warranty: 1 years. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	2	Each	Photometric system: Double beam . Wavelength range 190 - 1100 nm. Wavelength accuracy : ± 0.02 nm. 1 Source : Halogen Lamp, Deuterium Lamp. Spectral Bandwidth: 1 nm. Scanning Speed 10 - 8000 /min. 1 supply: AC 100-240 V , 50/60 Hz. ISO 13485. CE. certificates or equivalent.
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QCL Lab Team

		Warranty: 1 years. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Air velocity: 0.3-0.8 m/s. System exhaust volume: 1140m³/h. Max opening: 750 mm. Exterior material: mm cold-rolled steel with bacteria powder coating. Interior material: compact material board with good PVC surface height: 900mm. Noise level≤68 dB. Exhaust PVC standard length: 4.3 meter±300mm. The proposed units should be work in electricity voltage and frequency of 220V - 230V, 50/60Hz. ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 years. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	PH range: 0 to 14, mV ±100V. Accuracy: ±0.02. operating temperature: 5-40 °C. Calibration: 1-3 points automatic calibration with calibration in solution and self-drying Temp. measuring range: 0 to 100 °C. Power Supply: 230 volt, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent. Measuring range: 0.0001g±20g. Repeatability: 0.1mg. Range: Full. Linearity: 0.2mg. Response Time: 3 sec. Automatic Internal Calibration. PC Interface: USB. Calibration Certificate with calibration weight set. Operating Temperature Range: 10° to 40 °C. Power supply AC 100-240 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.

1	Fume hood	7
	Benchtop pH meter	8
	Analytical Balance	9

1 years. Successful at the Training; on- ensive a minimum ersonnel he system	1	Each	Temperature range : 50-300 °C, Chamber volume: 100 L, walls: stainless. Power supply: AC 100-240 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Drying Oven	10
1 years. Successful at the Training; on- ensive a minimum ersonnel he system	1	Each	Tank capacity: 8 L, Tank size (mm): 300x240x130, Ultrasonic Power: 200 W, Heating power: 300 W, Heating Temp: 0-80 °C, Time setting: 1-99 min, Display: Digital RED LED, Power Supply: 100-230 V, 50/60 Hz (FC) 13485, CE, FDA certificates or equivalent.	Ultra Sonic Bath	11
1 years. Successful at the Training; on- ensive a minimum ersonnel he system	1	Each	It should be a small foot print battery powered with a single Eyepiece with digital display Measurement of liquid, and viscous samples, regardless of their turbidity, viscosity, transparency and absorption. Measurement prism: Optical glass, Light source: LED (Approximating to wavelength of D-I line). Wavelength: 589 nm. Scale: Refractive Index & Brix, Measurement Range: Refractive index (nD): 1.3000 to 1.7000 Brix: 0.00 to 95.00% (5 to 75 °C A TC), Measurement Accuracy: Refractive Index (nD): 0.0004 Brix: 0.03%, Temperature control range: 5.0 to 75.0 °C, Calibration standards: Calibration block: 1 No and contact solution (1-Bromonaphthalene) and any other standard solutions. Power Supply: 100-230 V, 50/60 Hz ISO 13485, CE, FDA certificates or equivalent.	Abbs digital Refractometer	12

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QCL Lab Team

		Warranty: 1 years. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	RPM range: 50-5000 RPM. Increment range: 5 RPM. 1 facility 1 min to 15 min or beyond. Rotor capacity: 1200 (5 - 15 ml). Rotor type: fixed angel rotor. Power Supply: 230 volt, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent. Complete Programmable each parameters
		Warranty: 1 years. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring method: Infrared heat drying mass measurement Sample pan size: ø130 mm Minimum display in weighing: 0.001g Measurement range of moisture content: 0.01% to 100.00% Moisture content minimum display: 0.01% Maximum sample capacity: 120g Measurement mode: - Automatic or Timed halting modes. Rapid, Slow and drying modes. Predictive Measuring mode Drying heater: Mid-wave infrared quartz heater Setting temperature range: 30°C to 180 °C (by 1°C increments) Dimensions & weight: W220xD415xH190 (mm), 4.5 Kg Operational temperature and humidity range: range: 5 °C to 40°C, 85% RH maximum Standard accessories: Sample pan 2 pcs, sample pan windbreak case, sample pan, handler 2 pcs, aluminum sheet 20 pcs, spoon, spatula. Power supply: AC 100-240V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.

mer have i (0)	Digital Control Centrifuge	13
Electronic moisture balance		11

Warranty 1 years. Installation: Successful operation at the factory Training, on- comprehensive ing for a minimum	1	Each	Range: Conductivity: 0 µS/cm - 2000 µS/cm; TDS: 0 - 2000 µg/L or ppt; Temperature: 0 - 100 °C; Resolution: Conductivity: 0.01 µS/cm - 200.0 mS/cm; TDS: 0.01 mg/L or ppm to 0.1 µg/L or ppt; Temperature: 0.1 °C; Accuracy: Conductivity: ±1% full-scale; TDS: ±1% full-scale; Temperature: ± 0.5 °C; Calibration: Calibration by certified reference material traceable to SI units or ISO 17031; Auto Ranging: Across 5 Conductivity and TDS ranges Up to 5-point push button Calibration. Accessories: Electrode holder & One spare electrode. Power Supply: 100-230 V, 50/60 Hz; ISO 13485, CE, FDA certificates or equivalent.	Bench top Conductivity & TDS Meters	15
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QCİ-Lab Team

		Warranty: 1 years. Installation: Successful Installation at the laboratory. Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Design Ignition: Must designed in strict accordance with the test method ASTM D93, Method A and B. Automatic movement of head for closing and opening of the cup. Microprocessor controlled unit with digital easy to read display of the results. Ignition: Electric ignition and should also provide an automatic reignition facility. Electric Ignitor should be encapsulated. Detection: Thermal detection (with metal sample temperature probe of the flash to eliminate interference from water or silicone containing compound. Measuring Range: Flash point Ambient to 350 °C or more. Heating System: Heating rate: 0.5 °C to 12 °C/min. Heating should be microprocessor controlled at the specified rate. Temperature Measurement: Rugged metal and intelligent Pt 100 probe with built-in calibration, min 5 calibration points. Temperature calibration: Resistance check box temperature calibration with calibration certificate from ISO 17025/NABL accredited laboratory. Sample Stirrer: Automatic stirrer test method or user-defined from 0 rpm to 250 rpm or more ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 years. Installation: Successful Installation at the laboratory. Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Display type: Built-in-Display. Measuring range for dynamic viscosity: 0.2 to 30000 mPas. Measuring range for kinematic viscosity: 0.2 to 30000 mm²/s. Measuring range for density: 0.65 to 2.5 gm/cm³. Accuracy: Viscosity: 0.5% of measured value or better Density: 0.01 gm/cm³ or better Repeatability: 0.010C or better. Standards: NIST traceable Viscosity and Density 4 no 3 each at various temperatures. Control system: Interfaced x USB, 1 Ethernet 1 x CA Bus, 1 x RS-232, 1 x VGA. Spindle/Speed combination: 18 or more ISO 13485, CE, FDA certificates or equivalent.

QC-Lab Team

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İnşaat	Viscosimeter	17

years. Successful at the training: on- ensive a minimum sonnel system	2	Each	Speed Range: 50 rpm to 2000 rpm. Stirring Capacity: 4L. temperature range: 80-380 °C. Maximum load: 15 to 20 KG. Body Material : Polypropylene. Corrosion resistant surface and panels. A design that prevents liquid spillages from entering the instrument. Digital Output connectivity: RS232. Retort stand attachment(s). Set safety temperature limit displayed digitally. Power supply: AC 100-240 V ; 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Hot plate with Magnetic stirrer	18
years. Successful at the training: on- ensive a minimum sonnel system	1	Each	Measuring Mode: Optical Rotation. Specific Rotation. Specific Rotation Plus Concentration. Sugar Scale °Z(ISS). Display: On screen LCD / LED (touchscreen). Accuracy: 0.001 deg Arc or better. Measuring Range: ± 89.9 deg Arc Optical Rotation, ± 999.99° Arc Specific Rotation, 0-99.9% Concentration. Optical Wavelength: 589 nm Na and Tungsten-halogen or Hg- Lamp (for 633 nm/ 578 nm / 546 nm / 136 nm / 405 nm, Light Source: Sodium/Tungsten-halogen/LED) with life time 100,000 h of operation, Prism: Glau Thompson Calcite prism with life time Guarantee. Detector: PMT. Calibration Automatic: Calibration In-built via touchscreen, Calibration Standards: Certified values of Certified Reference Materials (CRM) provided by an accredited Reference Material Producer with stated metrological traceability to the SI for sugar solutions. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Automated digital polarimeter	19

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QCL-Lab Team

		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed range: 30-400rpm, Heavy duty maximum load Power Supply: 100-230 V, 50/60 Hz, ISO 13485, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measurement Range: 0 to 100 % r.h., -30 to 100 °C. Resolution: 0.01 % r.h., 0.01 °C; Accuracy: +/- 2.0 % 25 °C, +/- 0.5 °C at 25 °C; Response time % r.h. at 25 °C (90 % @ 25 °C air temp.) Power Supply: AC 100V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent
		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring range: 0-3g/cm³, temperature range: 0 °C. Pressure range: 0 to 10 bar, Density accuracy: ± 0.0001 g/cm³ g/cm³; Resolution: ± 0.0001 g/cm³ Wetted parts: Borosilicate glass, PTFE, Minimum sample volume: 1ml Power Supply: 100-230 V, 50/60 Hz, ISO 13485, FDA certificates or equivalent




and 6kg. CFE	Orbital Laboratory Shaker	20
at about 10 -2.20 V valit.	Hygro meter	21
0-200 ±0.2001 35.01	Density meter	22

ity: 1 years. ion: Successful on at the y Training: on- prehensive for a minimum e personnel g the system	1	Each	External dimension (mm): 524x1067x574. Inner dimension (mm): 483x853x560. Dehumidification system: H₂O electrolysis discharge by solid polymer electrolytic dehumidification element. Dehumidified ability: (When 30% rh is set). Within 8 hours. • Humidity Range: 10 to 60% RH, 0 to 60 °C/10 measurement range 60 %RH. Temperature and humidity sensors: Temperature/humidity elements, humidity/resistance ape low humidity measurement sensors. Area of dehumidifying element: about 49 cm². Temperature and humidity display accuracy: ±1 °C. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent	Digital Dry Desiccator	23
y: 1 years. on: Successful on at the y Training: on- prehensive for a minimum e personnel g the system	1	Each	FLC Plate Cutter size: 200x200 mm. Drying Rack, 10 FLC plates with the formats 200 x 200, 200 x 100 and 200 x 50 mm. Simultan Separating Chamber: The vertical grooves in the transverse walls should hold up to five 200 x 200 mm FLC plates. Desiccator Opener: This opener should be suitable for all sizes of desiccators. Thin Layer Chromatography Filter Paper: Capillary Dispensing Pipettes. The pipettes should fill automatically when they are dipped into the sample liquid. Micro Capillaries: Their accuracy should be better than 1%. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Thin Layer Chromatography (TLC)	24

Adı Soyadı Unvanı Görevi İmza Tarih	İmza	Tarih

QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature range: -12 to 24 °C. Capacity Range: 225 cubic feet. Door Swing: Left Hinge. Double-Swing. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Height: 68 in. Depth With Door Open 90 Degree: 57.0 in. Depth: 31 in. Capacity: 17. Cabinet Width: 28.0 in. Refrigerator Volume: 13.66 cu ft Door Style: compound Handle Material: Plastic Location of Controls: External Top Front: Delfi Drawer: 1 Flexi-Slide Bin. Door Plus: 2 Fixed Full-Width Lighting: LED. Features: 1 LED Lighting: EZ Connect IceMaker Kit Compatible. 1 Flexi-Slide Bin. Humidity-Controlled Crispers: ISO 13485, CE FDA certificates or equivalent
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed Range: 200 to 3000 rpm. Material: Rubber. Mass Platform. Dimensions (L x W x H): 8.1 x 5.9 x 5.1 in. (20.5 x 15.1 x 13.1 cm). Timer Range: 1 to 99 min. Continuous. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.

OCL-Lab Team

Freezer (-20)	25
Refrigerator	26
Digital kitchen scale	27

1 year. Successful on. Successful on at the y training, on- prehensive for a minimum personnel the system	1	Each	Capacity: 500 mL. Units: 6. Speed Range: 0-1200 rpm. Total watts: 1800 W. Dimension HxWxL (mm): 210x300x1200. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Flexing Mantle	28
1 year. Successful on at the y training en- prehensive or a minimum personnel the system	1	Each	Max. flow rate: 20 L/min. Capacity: 300 ml / 1000 ml. Filter diameter: 17 mm / 50 mm. Effective filtration area: 13.1 cm². Filter: funnel, pt/S. Waste bottle, Borosilicate 1000ML, glass (with drain). Funnel lid: PP. System, complete set includes: VP-17, Vacuum Pump, MF 31, Filtration Set, Silicone Tube (1m). Power Supply: 100- 230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Vacuum Filtration System	29
1 year. Successful on at the y training; on- prehensive for a minimum personnel the system	1	Each	Measuring Range: 0-150 millimeter or 0-6 inch. Resolution: 0.01 millimeter or 0.0005 inch. Repeatability: 0.01 millimeter or 0.0005 inch. Maximum measurement speed: 1m/s ISO 13485, CE, FDA certificates or equivalent.	Digital Vernier Caliper	30

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QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	It should be a small foot print battery powered with a single Eyepiece with digital display Measurement of liquid, and viscous samples, regardless of their turbidity, viscosity, transparency and absorption. Measurement prism: Optical glass, Light source: LED (Approximately to wavelength of D-I-line). Wavelength: 589 nm. Scale: Refractive Index & Brix. Measurement Range: Refractive index (nD): 1.3000 to 1.7000 Brix: 0.00 to 95.00% (20 to 75 °C ATC). Measurement Accuracy: Refractive Index (nD): ±0.0004 Brix: 0.03%. Temperature control range: to 75.0 °C. Calibration standards: (calibration block, 1.0 and contact solution (1-Bromonaphthalene) and any oil standard solutions. Power Supply: 100-230 V, 50/60 Hz ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature Range: 5 to 40°C. Humidity: 0 to 80% relative humidity. Viscosity Unit: < 50 cP. Sample Brix Clearance: 153 mm. Volume Accuracy: > 95% Sample Flow Rate: 10 to 100 ml/min. PharmSpec 3 Software/Processor: 1.0 GHz or faster processor Operating System: Windows 10 Enterprise 64-bit. Memory: 2GB of RAM). Standard Sensors range: 2 µm 600 µm (chemical compatibility). Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.

Digital Refractometer	31
Liquid Particle Counter	32

1 year. Successful on at the Training: on- prehensive for a minimum personnel the system	1	Each	Special medium length Ts 10/18 thermometer with a range 11-38 °C. Accuracy ± 0.2 °C, volume size: 50 ml. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Pyenometer	33
1 year. Successful at the Training: on- prehensive for a minimum personnel the system	1	Each	Application: liquid and semi-solid mixer homogenizer. PLC automated touch screen control, jacketed process vessel for temperature controlled processing Capacity: 1 L. (Model: UH10M-1/3 Ltr). Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent	Homogenizer	34
1 year. Successful at the Training: on- prehensive for a minimum personnel the system	1	Each	Vacuum Range: 150-600 mm Hg. Hold time: upto 9999 secs. Accessories: Main Apparatus along with vacuum pump Polycarbonate desiccator along with connecting tube Instruction Manual. Power Supply: AC 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Leakage Test Apparatus	35

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QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on-site comprehensive training for a minimum of two scientific personnel operating the system.	1	Each	Maximum number of samples per test: 6. Temperature precision $^{\circ}\text{C}$: ± 0.5. Solvent recovery %: 1p to 80. External dimensions: L x D x H mm: 680 x 330 x 580. Accessories: Extraction thimbles set. Extraction vessel test. Main fields of application (food, pharmaceutical, chemical and cosmetics). Power supply: (100 to 240V 50/60 Hz).
		Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on-site comprehensive training for a minimum of two scientific personnel operating the system.	1	Each	Volume: 20 L. Temperature range: 15-100 $^{\circ}\text{C}$. Temperature Resolution Ratio: 0.1 $^{\circ}\text{C}$. Power: 2 KW. The proposed units should be work in electricity voltage and frequency of 220v - 230v 50/60Hz. ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on-site comprehensive training for a minimum of two scientific personnel operating the system.	1	Each	Capacity: 10 Lit. (operating temperature: 0 to 40 $^{\circ}\text{C}$). Accuracy: $\pm 0.1^{\circ}\text{C}$. Resolution: $\pm 0.1^{\circ}\text{C}$. The proposed units should be work in electricity voltage and frequency of 220v - 230v 50/60Hz. ISO 13485, CE, FDA certificates or equivalent.

QCL-Lab Team

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2.	Sonhlet Extractor	36
3.	Apparatus	
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1	Each	Application: acid-base titration, redox, precipitation, complexation, dead-stop, Karl Fischer moisture method of determination; potentiometric, dead-stop and Karl Fischer ISO 13485, CE, FDA certificates or equivalent.	Automatic Titrator	30
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QCL-Lab Team

	Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Max Irradiance: 250 mW/cm ² , Wavelengths: 365 nm, 3 mm, 395 nm, 405 nm, Electrical Power Input: ~ 100W, Main Supply: 100-240V AC, Interior Dimensions: 300h x 300mm x 360mm, Power Supply: 100-230 V, 50/60 Hz ISO 13485, CE, FDA certificates or equivalent.
	Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measurement range: 3 - 500 N (±1 N), Measurement range: Diameter, Length (2 - 23mm (±0.05mm), 2 - 28m (±0.05mm)), Thickness Measurement range: 2 - 10 mm (±0.05mm), Weight Measurement range: 0.02 - 124 g (±0.0001 g), Width Measurement range: 2 - 15mm (±0.05mm), Measurement principle constant speed: 0.1 3.00mm/sec, constant force Measurement principle: 10 - 200 N sec, Power supply: 100 - 240 V / 50-60 Hz, Hardness Testing of up to 5 parameters for all kinds of tablets, Parameters: Hardness testing, Weight, Thickness Diameter/Length, Width, Display: Touch, Separation drum/ Vibrating separation system, Alignment threshold (fixed/ Alignment threshold (electronic, adjustable), Positioning arm for oblongs, Oblong Navigator, ISO 13485, CE, FDA certificates or equivalent.
Total Number of Devices				44

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Microbiology Department					
ذرائعی، نصب و ترمیمی	مقدار	واحد	مشخصات فنی	نام دستگاه	شماره
Quantity: 1 year. Qualification: Successful Qualification at the Laboratory Training: on- comprehensive Training for a minimum of 10 Specific personnel Operating the system	1	Each	Standard version, working space: 1185x570x570mm. Includes: radial fan, illumination, differential pressure indicator, pre-filter, HEPA filter. For bench mounting ISO 13485, CFE, FDA certificates or equivalent	Vertical Laminar Flow Bench	1
Quantity: 1 year. Qualification: Successful Qualification at the Laboratory Training: on- comprehensive Training for a minimum of 10 Specific personnel Operating the system	1	Each	Measuring range: 0.0001g-220g, Repeatability: 0.1mg, Tare Range: Full, Linearity: 0.2mg, Response Time: 3 sec. Automatic Internal Calibration, PC Interface, USB, Calibration Certificate with calibration weight set. Operating Temperature Range: 10° to 40 °C, Power supply: AC 100-240 V, 50/60 Hz, ISO 13485, CFE, FDA certificates or equivalent.	Analytical Balance	2

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QCL-Lab Team

ny: 1 year. ion: Successful on at the y Training: on- prehensive for a minimum e personnel g the system	2	Each	Capacity : 150 L. Temp Range: : 0- 60 °C , Temp accuracy: ±/- 1 °C; Temp Fluctuation: ±/- 1 °C Maximum timer range: 24 Hours. Display: LCD Humidity Range: 50-90 % rh. Power Supply: 100-230 volt , 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Incubator	3
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QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training, on- site comprehensive training for a minimum of two	1	Each Cabinet (Material of construction): Cabinet should be made from Galvanized Iron 18 SWG sheet metal with polyurethane paint coated finish and bottom will be supported with MS with PU coated modular stand which can be adjustable for height with leveling legs/ motorized. External surfaces to be coated with antimicrobial coating to protect against surface contamination and inhibit bacterial growth. Interior wall area to be from a single piece of stainless-steel with large radius corners to simplify cleaning. The cabinet work must have a no welded joints, which collect contaminants or rust. Unit: Front door: Made of clear 5 mm thick Toughened glass, vertical sliding, with Feather touch Motorized operation, while opening the door (UV Lamp will be cut "OFF" And while closing the door (UV Lamp will be "ON" Automatically. Side Panels: Both the sidewalls are made from double layered outer GI & inner stainless steel with return air plenum in between. Edges should be perforated to avoid entry of room air into the work zone and exit of contaminated air in to the room such contaminated air is sucked through this full height perforation at the edges of the sidewalls. A recessed central area with drain pan to contain spills and prevent liquids from entering the lower filtration unit. The BSS shall be ergonomically designed for maximum user comfort and adjustability. Fall-safe system to ensures
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11/30/2024

: 1 year. on: Successful on at the y training; on- rehensive or a minimum personnel the system	1	in case of exhaust failure, the cabinet's main fan automatically shuts down to ensure safety to the user. Air Balancing : 100% Exhaust & 0 % Re-Circulation. Direction of flow : Vertical, HEPA Filters: Type: Separator less type. Mini-Pleats HEPA Media, Media: Ultra clean glass fiber paper, Retention: 0.3 Micron .Efficiency: 99.997%.Initial Pressure: 12 mm WG, Grade: H14 rating, Real-time display panel for remaining Filter ISO 13485, CE, FDA certificates or equivalent.	
	Each	Chamber: Vertical loading type chamber with service basket. Chamber size: 80 -120 L. Gauges: Should have a water level gauges. Display: Fully Automatic PID control $\pm 0.1^{\circ}\text{C}$. LED display for temperature and remaining time. Operation temperature 140°C . Temp accuracy ± 0.5 at 121°C . Operating pressure $15\text{--}20^{\circ}\text{C}$. Timer: Auto in the start and stop timer. Must have safety warning alarm. Must have Nursery accessories. Must be with calibration certification ISO 13485, CE, FDA certificates or equivalent.	Vertical Autoclave

	Warranty Installation Installation Laboratory Site completion training for of two scientific operating



QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed Range: 50 rpm to 2000 rpm. Stirring Capacity temperature range: 80-380 °C. Maximum load: 15 t KG Body Material : Polypropylene Corrosion resistant surface and panels. A design that prevents liquid spillages from entering instrument. Digital Output connectivity: RS232. Retort stand attachment(s). Set safety temperature limit displayed digitally. Power supply: AC 160-240 V , 50/60 Hz, IS() I3485, CE. certificates or equivalent.
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1 year. Successful at the training, on- the job a minimum personnel the system	1 Each	Head: Binocular. Body: Body-Single mold sturdy stable base stand, inclined Binocular body 30°, 360° rotatable head with focus adjustment controls. A durable textured acid resistant finish. All metallic parts should be corrosion-proof, acid proof and stain-proof. Optical system: Optical system should be infinity corrected. Built-in LED light source with white light with intensity control and 110 life of more than 10,000 Hrs. Objective: Parfocal, antifungal coated 4x, 10x, 40x and 100x (oil immersion) with semi planner achromatic correction. Objective should be well centered even if their position on turret is changed. 10x, 40x and 100x objectives should have numerical apertures of 0.25 and 0.65 respectively. 100x should have numerical aperture of 1.25 and should be of oil immersion. Unbreakable containers to be provided for storing the objectives. Nose piece: Backward tilted revolving nose piece suitable to accommodate four objectives with click stop. It should be provided with rubber ribbed grip for easy rotation mounted on a precision ball bearing mechanism for smooth and accurate alignment. Extra ports if any should be fitted with dust& fungal proof metallic/ebonite caps. Stage: Stage uniformly horizontal, mechanical stage having dimensions of length 140 mm (+/- 20mm) with fine Vernier graduations. It should be designed with convenient sub-stage vertical coaxial adjustment for slide manipulation. Sub-stage condenser: Abbe-type condenser with numerical aperture (N.A.) 1.25 focusable with rack and pinion arrangement incorporating a spherical lens and an iris-diaphragm. Sub-stage illuminator: The system should have a build-in variable light source (Illuminator). Microscope should come along with PC (i5 6200U processor). Power Supply: AC 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Digital Microscope with PC station	7

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QC/Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Capacity: 12 L. Material of construction: Transparent unbreakable polycarbonate jar. Unit: Jar should be provided with pressure -cum -vacuum gauge attached the lid. Jar should be ideal for all strict anaerobic conditions. Lid should consist of O-ring gasket. It be provided with petri dish (100 mm diameter) can rack, Schrader valve and screws to connect to vac pump. Vacuum pump: Suitable oil free vacuum pump the system. Accessories: Catalyst/gas pouch starter Anaerobe indicator tablets. Lid, complete with elastic screw, O-rings. Power supply: 100-230 V , 50/60 Hz 13485, CE, FDA certificates or equivalent
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Capacity: 5 L with easy cleaning facility. Material construction: Body should be compact, durable, heavy and made of stainless steel /heavy duty plastic. It should be compatible with all disinfection sterilization concentration. It should be compatible with maximum range (both acid and alkali). The equipment should good quality and conform to national/ international standards. Power supply: AC 100-240 V , 50/60 Hz 13485, CE, FDA certificates or equivalent.

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year. Successful at the training; on- tensive a minimum ersonnel e system	2	Each	Temperature range : 50-300 °C. Chamber volume: 100 L. walls: stainless. Power supply : AC 100-240 V , 50/60 Hz. ISO 13485. CE, FDA certificates or equivalent.	Drying Oven	10
year. Successful at the training; on- tensive a minimum ersonnel e system	1	Each	Ph range: 0 to 14. mv; $\pm$ 1999. Accuracy: $\pm$ 0.02. operating temperature: 5-40 °C. Calibration: 1-3 points automatic calibration with calibration instruction and self-diagnosis. Temp. measuring range: 0 to 100 °C. Power Supply: 100- 230 volt , 50/60 Hz. ISO 13485. CE, FDA certificates or equivalent	Bench top pH meter	11
year. Successful at the training; on- tensive a minimum ersonnel e system	1	Each	Material of construction: Full Stainless-steel fabricated body with duly heat cured epoxy coating. Display and counting: It should consist of: Digital display up to 4 digits with confirmation by audible tone. It should consist of Magnifying lens (greater than 2X magnification with digital marking pen). Accepts petri dish up to size 140 mm diameter with a centering adaptor for standard 90 mm petri dish. Glare free viewing low energy bright LED's. A switchable black background viewing translucent and difficult to see colonies. Zero reset button. Power supply: AC 100-230 V , 50/60 Hz. ISO 13485. CE, FDA certificates or equivalent.	Digital Colony counter	12

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Warranty: 1 Installation: Installation Laboratory T site complete training for of two scientific per operating th		



QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature range: -12--24°C Capacity Range: 1 cubic feet. Door Swing: Left Hinge. Double-Swing Power Supply: 100-230 V, 50/60 Hz. ISO 13485 FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Height: 68 in. Depth With Door Open 90 Degree: Depth: 31 in. Capacity: 17. Cabinet Width: 28.0 in. Refrigerator Volume: 13.66 cu ft. Door Style: Convertible Handle Material: Plastic. Location of Controls: In Up Front. Left Drawer: 1 Flexi Slide Bin. Door Bin Fixed Full-Width. Lighting: LED. Features: LED Lighting. EZ Connect Lockdown Key Compatible. 1 Slide Bin. Humidity-Controlled Crispers. ISO 13485 FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed Range: 200 to 3000 rpm. Material: Rubber Platform. Dimensions (L x W x H): 8.1 x 5.9 x 5.2 (20.5 x 15.1 x 13.1 cm). Timer Range: 1 to 99 minutes. Continuous. Power Supply: 100-230 V, 50/60 Hz. ISO 13485. FDA certificates or equivalent.




201 B C1.	Freezer (-20)	13
201 B C1.	Refrigerator	14
201 B C1.	Digital vortex mixer	15

1 year. Successful at the Training, on- prehensive for a minimum personnel the system	1	Each	RPM range: 50-5000 RPM. Increment range: 5 RPM. Timer facility 1 min to 15 min or beyond. Rotor capacity: 12 or more (5 - 15 ml). Rotor type: fixed angle rotor. Power Supply: 100- 230 volt, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent. Complete Programmable each parameters	Digital Control Centrifuge	16
1 year. Successful at the Training, on- prehensive for a minimum personnel the system	1	Each	Counting Chamber: Constructed entirely of glass. Centre of glass should contain a 15x20mm rectangle that is flanked by 0.1 mm shoulders on each side to support cover glass. Rectangle and Cover glass should have optically plane surfaces. Facilities for calibration of microscope. Eyepiece micrometer: Ruled into squares (grid), each of which is equal to 1/6 of the diameter of the eyepiece diaphragm opening. Cover slips: Thin 28mm x 52mm x 0.5mm 2 Nos. Thick 28mm x 53mm x 1.0mm 2 Nos. Power Supply: AC 100-250 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Howard Model Counter	17
19		Total number of Device			

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QCL-Lab Team

Medicine Toxicology Department

قیمت مجموعی	قیمت فی واحد	Warranty, Installation and Training	Qty	Unit	Technical Specification
		Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	2	Each	TT.C Plate Cutter size: 200x206 mm. Drying Rack TT.C plates with the formats 200 x 200, 200 x 100 x 50 mm. Stimulation Separating Chamber: The vert grooves in the transverse walls should hold up to x 200 mm TT.C plates. Desiccator Opener: This op should be suitable for all sizes of desiccators. Thin Chromatography Filter Paper: Capillary Dispensin Pipettes: The pipettes should fill automatically w are dipped into the sample liquid. Micro Capillar accuracy should be better than 1%. TT.C 3000 Se ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Fully PC based Atomic Absorption Spectrophotom both flame and furnace system automatic operation. Detector: Si-Diodes, High Source: Hollow Cathode (HCL). Background Correction: Deuterium. Wave range: 185-900 nm. Optical Design: Czerny Turner Spectrometer. Wavelength Precision : 0.005nm. A suitable computer system must be provided for thi that can handle all the operations. Power supply: 2 240 V , 50/60 Hz. ISO 13485, CE, FDA certificate equivalent.

Device Name	No	
Thermal Imaging Camera (FLIR)	1	
Acoustic Emission Spectrometer	2	

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ty: 1 year. tion: Successful tion at the ary Training: on- prehensive for a minimum ic personnel g the system	2	Each	Measuring range: 0.0001g-220g, Readability: 0.1mg, Tare Range: Full, Linearity: 0.2mg, Response Time: 3 sec. Automatic Internal Calibration, PC Interface, USB, Calibration Certificate with calibration weight set, Operating Temperature Range: 10° to 40 °C, Power supply: AC 100-240 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.	Analytical Balance	5
ty: 1 year. tion: Successful tion at the ary Training: on- prehensive for a minimum ic personnel g the system	1	Each	Hand / Motor lift, hand lift, Height adjustment speed: manual, Height adjustment: 155 mm, Rotation speed: 10 280 rpm, Rotation speed setting: 1/3, 1/10 display, Driver: brushless DC motor with electronic speed control Heating capacity: 1300 w, Temp. range heating bath: 20 210 °C, Temperature accuracy bath: 1, Overheat protection bath, cut-off at 5 °C over set temperature via separate Pt 1000, Bath temperature setting: 3.3" LCD display, Heating bath temperature control: electronic / digital, Material heating bath: stainless steel, Diameter heating bath: 255 mm, Volume heating bath: 4.5 l, Flask volume: 1 l, Finner: yes, Rate of evaporation: Ethanol: 3.5 L/h, Water: 1.2 L/h, Condensing surface: 1,200 cm2, ISO 13485, CE, FDA certificates or equivalent.	Vacuum Rotary Evaporator (it included vacuum pump and water chiller)	4

		Warranty: 1 year. Installation: Successful laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed Range: 50 rpm to 2000 rpm. Stirring Capacity: temperature range: 80-380 °C. Maximum load: 15 to KG. Body Material : Polypropylene. Corrosion resistan surface and panels.A design that prevents liquid spill from entering the instrument. Digital Output connecti RS232. Retort stand attachment(s).Set safety tempera limit displayed digitally. Power supply: AC 100-240 V 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent
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41. 20 m vily ture V. len	Hot Plate with Magnetic Stirrers	5
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Year: 1 year. Location: Successful Training: on- comprehensive for a minimum personnel the system	1	Each	Volume : 20 Lt. Temperature range: 15-100 C. Temperature Resolution Ratio: 0.1 C. Power: 2 KW. The proposed units should be work in electricity voltage and frequency of 220v - 230v, 50/60Hz. ISO 13485, CE, FDA certificates or equivalent.	Water Bath	6
Year: 1 year Location: Successful Training: on- comprehensive for a minimum personnel the system	1	Each	RPM range: 50-5000 RPM. Increment range: 5 RPM. Timer facility 1 min to 15 min or beyond. Rotor capacity: 12 or more (5 - 15 ml). Rotor type: fixed angle rotor. Power Supply 100- 230 volt , 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent. Complete Programmable each parameters	Digital Control Centrifuge	7
Year: 1 year Location: Successful Training: on- comprehensive for a minimum personnel the system	1	Each	Temperature range: -12--24°C. Capacity Range: 24 cubic feet. Door Swing: Left Hinge, Double-Swing. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Freezer (-20)	8

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QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Height: 68 in. Depth With Door Open 90 Degree: 57 Depth: 31 in. Capacity: 17. Cabinet Width: 28.0 in. Refrigerator Volume: 13.66 cu. ft. Door Style: (onto Handle Material: Plastic. Location of Controls: Inter Lip Front. Deli Drawer: 1 Flexi-Slide Bin. Door Bins Fixed Full-Width. Lighting: LED. Features: LED Lighting: EZ Connect Iceemaker Kit Compatible. Flex Slide Bin, Humidity-Controlled Crispers. Power Sup 100-230 V. 50/60 Hz. ISO 13485. CE, FDA certifi equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Ph range: 0 to 14. mv: ± 1999. Accuracy: ± 0.2 oper temperature: 5-40 °C. Calibration: 1-3 points automa calibration with calibration instruction and self diagn Temp. measuring range: 0 to 100 °C. Power Supply 230 volt . 50/60 Hz. ISO 13485. CE, FDA certifica equivalent.




0 in	
Refrigerator	9
Benchtop pH meter	10

1 year. Successful at the Training; on- prehensive r a minimum personnel he system	1	Each	Photometric system: Double beam . Wavelength range: 190 - 1100 nm. Wavelength accuracy : ± 0.02 nm . Light Source : Halogen Lamp, Deuterium Lamp. Spectral Bandwidth: 1 nm. Scanning Speed 10 - 8000 /min. Power supply: AC 100-240 V , 50/60 Hz ISO 13485, CE, FDA certificates or equivalent.	UV-Vis Spectrophotometer	11
1 year. Successful at the Training; on- prehensive r a minimum personnel he system	1	Each	Temperature range : 50-300 °C. Chamber volume: 100 L. walls: stainless . Power supply: AC 100-240 V , 50/60 Hz.ISO 13485 . CE, FDA certificates or equivalent	Drying Oven	12
14	Total number of device				

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QCL-Lab Team

Cosmetic Department

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		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Detector: PAD or DAD . Wavelength range (190nm - 800nm) The DAD detector must have a flow cell that can be easily cleaned if necessary. Pump: a quaternary pump system with the capability of mixing 4 solvents as mobile phase. These solvents may be used individually or in any combination. Flow rate (0.001 - 10.0) mL/min, flow rate accuracy : 1 %. Operating pressure: less than 60 MPa. Pump Mode: gradient system or isocratic mode. Column Oven: Thermostat system (2 °C - 90 °C) The system must have an in-built degasser, check and exchange valves and methods for purging must be available. The fittings required for the purging must be provided along with the system. The fittings must be easy to operate with the tools provided. Appropriate tools for maintenance must be provided. It is preferable to have some leak detection system. Some consumables (such as inline filters) must be provided in the system. Autosampler: can inject samples into the LC system with volumes ranging from 0.1 microliters to 100 microliters. The autosampler must be capable of holding at least 100 vials at any time and must allow for programmable automated injection of these samples into the LC system without interrupting the operation. The autosampler must be able to add vials (approximately 1.5 mL with screw cap and septa) that are interchangeable with standard HPLC vials provided by other vendors. Column: Standard and suitable column with guard column according to the HPLC system. A software system controlling all the aspects of the HPLC

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HP LC-MS	1	

system mentioned above must be provided (original disk or Drive or CD).
The software should have the capability of different display parameters during the run of a sample. The post run data analysis should be available in the same software where the chromatogram of a run sample must be available for analysis. Data analysis must include standard chromatogram operations such as area, height, width and percentage estimation. The software system must also allow the easy integration of calibration data into data analysis methods. The software must be able to perform spectral analysis for UV-visible, fluorescence and RI detectors. The software data analysis system must also allow for the integration of UV spectral library information for automatic matching of the peaks with reference spectra, even if this might not be standard features. If this UV spectral matching feature is available.
A suitable computer system must be provided for this system that can handle all the operations.
UPS system more than 30 min backup.
A generic C-18 column must be provided that can separate a mixture of polycyclic aromatic hydrocarbons. A tubing kit and maintenance tool kit must be provided along with the system.
Double Quadrupole : Mass range : m/z 10-2000, Mass Stability : 0.05u/12h, polarity switching time: 15 msec, Scan Speed: 15000 u/sec, Application flow rate, ESI 1 µL/min to 2 mL/min, NRI/V
transmission speed: Max 555 channels / sec, DL maximum temperature: 300 C, Block heater maximum temperature: 500 C



QCL-Lab Team

					Minimum pause time: 1msec. Minimum dwell time: 0.8 Interface: ESI (Standard),APCI (Option),DUIs (Option), talk: <0.003%. Resolution: $R < 0.7$ FWHM. Sensitivity: positive: 1 pg reserpine, S/N 3,000; 1 (RMS). A suitable nitrogen generator that can supply and satisfy proposed HPLC-MS system. All proposed units should be work in electricity and frequency of 220V - 230V, 50/60Hz. ISO 13485, CE, certificates or equivalent.
		Warranty: 1 year. Installation Successful Installation at the laboratory. Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Optical system: all-reflective single-beam CF optical path length of monochromator: 350mm, oil/water proof air compressor. Blazed wavelength of gratings: 230nm. Non-grating grooves: 1800g/mm. Wavelength range: 190nm- ± 0.1 nm. Spectrum bandwidth: 0.1nm, 0.2nm, 0.4nm, 0.7nm, 1.4nm. Noise: 0.005 Abs/static; 0.006 Abs/Dynamic). 1.4nm. drift: 0.003 Abs/0.5hr; best perform, mce. Background correction: ED2 lamp + self reversal. Number of the lamps: 8. Number of preiod lamps: software controlled: 8. Gas path safety measures: yes. Atomizer: flame atomizer. Automation: built / wavelength: gas path / ignition / burner / safety measures: C2H2 monitoring. Power Supply: AC 100-230 V, 50/60Hz ISO 13485, CE, FDA certificates or equivalent.

mscc. Cross ESI (N2) Voltage FDA		
Flame Atomic Absorption Spectroscopy (FAAS)		2

			Sample injecting methods: Sulfinert Sample loop 1 mL (standard); 0.2, 3 mL (Optional) or trap. Number of Vials: 90. Vials: Outer dia. 22.5 mm x 79 mm (20mL.); outer dia 22.5 x 46 mm (10mL.) or suitable for proposed machine and available in local market. Operation Environment: 15 to 20 °C, Humidity up to 70% RH. Control Software: Can communicate with GC and PC interface. Detector: Flame ionization detector (FID). Oven: single airless oven. Oven temperature range: RT to 350°C. Column: Standard and suitcase column with guard column according to the HPLC system.		
			Accuracy; ≤0.02 %		
			Sample: vapor or liquid		
			Calibration: Comparison with external standard manual or automatic		
			Injection system: gas injection valve and liquid injection valve		
			software: Full traceability through the archiving of results and quality control		
			Programming and control of alarm thresholds		
			Data transfer via communication protocols		
			Columns type: capillary. Electronic control of pressure and flow		
			Measuring response:		
			Sensitivity: ± 0.5% of span		
			Linearity: ± 0.5% of span		

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QCL-Lab Team

					Repeatability: $\pm 1\%$ Sampling and valves: Diaphragm valves, diaphragm piston valves, sliding vane rotary valves, slider valve liquid injection valve Auto sampler for liquid injection 10ul syringe adapter Rinse with two different solvents; Rack of samples: at least 60 positions for capacity 1 vials. Gas supplier Nitrogen compressed gas cylinder, purity 99.998% Helium compressed gas cylinder, purity 99.998% Hydrogen compressed gas cylinder, purity 99.999% Inlet Pressure: 2-125 psig (825 kPa) Airflow, regulators and connectors All proposed units should be work in electricity volt and frequency of 220v - 230v, 50/60Hz. ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed Range: 50 rpm to 2000 rpm, Stirring Capacity temperature range: 80-380 °C, Maximum load: 15 to KG, Body Material : Polypropylene, Corrosion resist surface and panels.A design that prevents liquid spill from entering the instrument. Digital Output connect RS232, Retort stand attachment(s).Set safety temper limit displayed digitally, Power supply: AC 100-240 50/60 Hz ISO 13485, CE, FDA certificates or equivalent

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Hot Plate with Magnetic Stirrer		A

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1 year. Successful at the Training; on- prehensive for a minimum personnel the system	1	Each	Volume : 20 Lt. Temperature range: 15-100 C. Temperature Resolution Ratio: 0.1 C. Power: 2 KW. The proposed units should be work in electricity voltage and frequency of 220v - 230v; 50/60Hz. ISO 13485, CE, FDA certificates or equivalent.	Water Bath	5
1 year. Successful at the Training; on- prehensive for a minimum personnel the system	1	Each	Ph range: 0 to 14, mv: ±1999, Accuracy: ±0.02, operating temperature: 5-40 °C. Calibration: 1-3 points automatic calibration with calibration instruction and self-diagnosis. Temp. measuring range: 0 to 100 °C. Power Supply: 100- 230 volt, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Benchtop pH meter	6

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QCL-Lab Team

		Warranty: 1 year Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature range : 50-300 °C. Chamber volume: walls: stainless. Power supply: AC 100-240 V , 50, ISO 13485. CE, FDA certificates or equivalent.
		Warranty: 1 year Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring range: 0.0001g-220g, Repeatability: 0.1µm Range: Full. Linearity: 0.2mg, Response Time: 3 s Automatic Internal Calibration, PC Interface , USB Calibration Certificate with calibration weight set . Operating Temperature Range: 10° to 40 °C, Power AC 100-240 V , 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.




100 L, 60 Hz.	Drying Oven	7
g, 30°C suppl.	Analytical Balance	2

1 year Successful on at the Training; on- receptive or a minimum personnel the system	1	Each	TLC Plate Cutter size: 200x200 mm. Drying Rack: 10 TLC plates with the formats 200 x 200, 200 x 100 and 200 x 50 mm. Simultan Separating Chamber: The vertical grooves in the transverse walls should hold up to five 200 x 200 mm TLC plates. Desiccator Opener: This opener should be suitable for all sizes of desiccators. Thin Layer Chromatography Filter Paper: Capillary Dispensing Pipettes: The pipettes should fill automatically when they are dipped into the sample liquid. Micro Capillaries: Their accuracy should be better than 1%. Power Supply: 100- 230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Thin Layer Chromatography (TLC)	9
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QCI-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Standard configuration: MCU-710D+MK V-710+Automatic Solvent Change unit. Measuring method: Karl Fischer Volumetric titration. Measuring range: content : 0.1 to 500mgH₂O (depends on K_F reagent factor). Concentration : 1 ppm to 100% H₂O. Burette precision: 10mL, burette $\pm$ 0.015mL ; reproducibility 0.005mL. Endpoint detection: By polarized potential detected with a twin platinum electrode. Titration (Normal titration / Back titration. Required solvent: 100mL (in S-type titration vessel). Key operation: 1 panel. Data storage: Method: 120 (per channel). Measurement results: 5,000 samples (per channel). Operation history: 100,000 (Total for 2 channels). Power Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed Range: 200 to 3000 rpm. Material: Rubber. Platform. Dimensions (L x W x H): 8.1 x 5.9 x 5.2 in (20.5 x 15.1 x 13.1 cm). Timer Range: 1 to 99 min.. Continuous. Power Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.




Method: Water		
2 ity +/- d level	Karel fisher (N ²) titrator	10
Form: 30 to ouch		
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h:		
2.	Digital vortex mixer	11

1 year. Successful at the Training; on- prehensive a minimum personnel ne system	1	Each	Speed range: 30-400rpm, Heavy duty maximum load 6kg, Power Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.	Orbital Laboratory Shaker	12
1 year Successful at the Training; on- prehensive a minimum personnel ne system	1	Each	Viscosity range: 0.5mPa - 70000 mPa, Accuracy: 0.5%, Balls 1 and 2: Boron Silicate Glass, Balls 3 and 4: Nickel- iron, Balls 5 and 6: Steel Fall time of measurement: 30- 300 seconds Operating temperature: -5 °C- 150 °C, Sample tube volume: 40ml Viscometer, dimension: 180x220x330 mm, Power Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.	Falling ball Viscometer	13

Warranty: Installation Installation laboratory site comprehensive training for of two scientific p operating t		
Warranty: Installation Installation laboratory site comprehensive training for of two scientific p operating t		





QCL-Lab Team

		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Application: liquid and semi solid mixer homogen PLC automated touch screen control, jacketed processing vessel for temperature controlled processing Capacity: 50/60 Ltr. (Model: UHOM-1/3 Ltr). Power Supply: 100-250/60 Hz. ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Capacity: 500 ml. Units: 6. Speed Range: 0-1200 rpm. Total weight: 1800 W. Dimension LxWxL (mm): 210x300x1200. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.



İzer, cess çiy: 1 30 V. ivalent.	Homogenizer	14
mm. 12,50	Heating Mantle	15

1 year. Successful at the Training: on- prehensive or a minimum personnel the system	1	Each	Measuring range: 0-3g/cm ³ . Temperature range: 10-95 °C. Pressure range: 0 to 10 bar. Density accuracy: ±0.0001 g/cm ³ . Resolution: ±0.0001 g/cm ³ . Wetted parts: Borosilicate glass, PTFE. Minimum sample volume: 1.5 ml. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent	Density meter	16
1 year. Successful at the Training: on- prehensive or a minimum personnel the system	1	Each	Special medium length Ts 10/18 thermometer with a range 14-38 °C, Accuracy ±0.2 °C, volume size: 50 ml. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Pycnometer	17
17	Total Number of Device				

Warranty: Installation laboratory site training of two scientific opening		
Warranty: Installation laboratory site training of two scientific opening		





QCL-Lab Team

Herbal Department

قیمت مجموعی	قیمت فی واحد	وراثی: نصب و تربیتنگ	مقدار	واحد	مشخصات فنیکی
		Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	TLC Plate Cutter size: 200x200 mm. Drying Rack: TLC plates with the formats 200 x 200, 200 x 100 x 50 mm. Simultan Separating Chamber: The verti- grooves in the transverse walls should hold up to 10 x 200 mm TLC plates. Desiccator Opener: This op- should be suitable for all sizes of desiccators. 10ml Chromatography Filter Paper: Capillary Dispensing Pipettes: The pipettes should fill automatically when are dipped into the sample liquid. Micro Capillaries: accuracy should be better than 1%. Power Supply: 230 V, 50/60 Hz. ISO 13485, CE, FDA certificates equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Max. flow rate: 20 l/min. Capacity: 300 ml / 1000 ml Filter diameter: 47 mm / 50 mm. Effective filtration 13.1 cm². Filter funnel: PES. Waste bottle: BoroSil 1000ML glass (with drain). Funnel lid: PP. System complete set includes : VP-17, Vacuum Pump, MF Filtration Set, Silicone Tube (1m). Power Supply: 1 230 V, 50/60 Hz. ISO 13485, CE, FDA certificates equivalent.

QC-Lab Team

شماره	تاریخ و مکان	شرح
1		Thin Layer Chromatography (TLC)
2		Vacuum Filtration System

1	Each	Capacity: 500 ml. Units: 6. Speed Range: 0-1200 rpm. Total watts: 1800 W. Dimension HxWxL (mm): 210x300x1200. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Heating Mantle	3
1	Each	Speed range: 30-800rpm. Heavy duty maximum load 6kg. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Orbital Laboratory Shaker	4
1	Each	Sieve diameter: 200 mm, Quantity of sieve: 1 to 5 Nos. Vibrating frequency 1400r/min, Exciting force: 3 KN, Timer: 999 min. Motor: Vertical vibration motor. Accessories: Supporting clamps & Rods (model: STXVSS8). Power Supply: 100-230 V, 50/60 Hz ISO 13485, CE, FDA certificates or equivalent.	Sieve Shaker	5

Warranty: Installation laboratory site compliance training for of two scientific operating	Warranty: Installation laboratory site compliance training for of two scientific operating	Warranty: Installation laboratory site compliance training for of two scientific operating
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QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Special medium length Ts 10/18 thermometer with range 14-38 °C. Accuracy $\pm 0.2^{\circ}\text{C}$., volume size: 50 Power Supply: 100-230 V, 50/60 Hz. ISO 13485. FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Maximum number of samples per test: 6. Temperature precision $^{\circ}\text{C}$: ± 0.5. Solvent recovery %: 10 to 80. External dimensions L x D x H mm: 680 x 330 x 500 Accessories: Extraction thimbles set. Extraction vessel. Main fields of application (food, pharmaceutical, chemical and cosmetics) Power supply: (100 to 240 V/50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature Range: Ambient - 5 °C to 350 °C. Method Result accuracy: $\pm$ Ambient + 5 °C to 200.0 °C $\pm$ $\pm 1^{\circ}\text{C}$. Temperature Readability: 0.1 °C. Furnace Construction: Horizontal Round Metal Block. Temperature Sensor: PT 100 Sensor. Should have complete GLP Compliance Result Printouts with Sample Name, ID No., ID Time etc for Authentication and graphical report of v/s light unit with marking of start and end of melting Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.

QCL-Lab Team

Pycnometer	6
Schubert Exactor Apparatus	7
Melting point analyzer	8

1 year. Successful at the Training: on- thensive a minimum ersonnel he system	1	Each	Height: 68 in. Depth With Door Open 90 Degree: 57.0 in. Depth: 31 in. Capacity: 17. Cabinet Width: 28.0 in. Refrigerator Volume: 13.66 cu. ft. Door Style: Contour Handle Material: Plastic. Location of Controls: Interior Up Front. Deli Drawer: 1 Flexi-Slide Bin. Door Bins: 2 Fixed Full-Width. Lighting: LED. Features: LED Lighting. EZ Connect IceMaker Kit Compatible. Flexi- Slide Bin. Humidity-Controlled Crispers. Power Supply: 100-230 V, 50/60 Hz. ISO 13485. CE. FDA certificates or equivalent.	Refrigerator	9
1 year. Successful at the Training: on- thensive a minimum ersonnel he system	1	Each	Temperature range: -12--24°C. Capacity Range: >24 cubic feet. Door Swing: Left Hinge. Double-Swing. Power Supply: 100-230 V, 50/60 Hz. ISO 13485. CE. FDA certificates or equivalent.	Freezer (-20)	10
1 year. Successful at the Training: on- thensive a minimum ersonnel he system	1	Each	Temperature range: 15-1400 °C. Heating from two sides Adjustable air inlet integrated in door, exhaust air outlet in rear of wall of furnace. Controller with touch operation. Power Supply: 100-230 V, 50/60 Hz. ISO 13485. CE. FDA certificates or equivalent.	Muffle Furnace	11

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Det. Lab Team



		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	External dimension (mm): 524X1067X574. Inner dimension (mm): 483X853X560. Dehumidification H₂O electrolysis discharge by solid polymer electro dehumidification element. Dehumidified ability {W 30% rh is set}. Within 8 hours. • Humidity Range: 1 60% RH, 0 to 60 °C/10 measurement range 60 %RH Temperature and humidity sensors: Temperature/thermistors elements, humidity/resistance low humidity measurement sensors. Area of dehumidifying element: about 49 cm². Temperature humidity display accuracy: ±1 °C. Power Supply: 1 230 V, 50/60 Hz. ISO 13485, CE, FDA certificates equivalent.
		Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Hand / Motor lift: hand lift. Height adjustment speed manual. Height adjustment: 155 mm. Rotation speed: 280 rpm. Rotation speed setting: 3.5" LCD display. brushless DC motor with electronic speed control. Heating capacity: 1300 w. Temp. range heating bath: 210 °C. Temperature accuracy bath: ±1. Overheat protection bath: cut-off at 5 °C over set temperature separate Pt 1000. Bath temperature setting: 3.5" LCD display. Heating bath temperature control: electronic digital. Material heating bath: stainless steel. Diameter heating bath: 255 mm. Volume heating bath: 4.5 L. L/h; Water: 1.2 L/h. Rate of evaporation: Ethanol Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.

1 year. n: Successful in at the Training: on- prehensive or a minimum	1	Each	Ph range: 0 to 14. mv: ± 1999 . Accuracy: ± 0.02 . operating temperature: 5-40 °C. Calibration: 1-3 points automatic calibration with calibration instruction and self-diagnosis. Temp. measuring range: 0 to 100 °C. Power Supply : 100- 230 volt . 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Bench top PH meter	14
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Waiting	
Installation	
Installation	
Laboratory	
Site sampling	
Training for	
of two	
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operating	

QCI-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring range: 0.0001g-220g; Readability: 0.1mg Range: Full; Linearity: 0.2mg; Response Time: 3 sec Automatic Internal Calibration; PC Interface ; USB; Calibration Certificate with calibration weight set . Operating Temperature Range: 10° to 40 °C,Power s AC 100-240 V , 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Maximum Capacity: 4100 gm. Readability : 0.01 g Calibration tools: Standards weights, Power Supply 100-230 V, 50/60 Hz, ISO 13485, CE, FDA certificate equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature range : 50-300 °C, Chamber volume: 1 wall: stainless. Power supply: AC 100-240 V , 50/60 ISO 13485, CE, FDA certificates or equivalent.




Supply:	Analytical Balance	15
Analytical Balance (Top Pan Loading)		16
Drying Oven		17

1 year. on: Successful on at the Training: on-prehensive for a minimum personnel the system	1	Each	Speed Range: 50 rpm to 2000 rpm. Stirring Capacity: 4L. temperature range: 80-380 °C. Maximum load: 15 to 20 KG. Body Material : Polypropylene Corrosion resistant surface and panels. A design that prevents liquid spillages from entering the instrument. Digital Output connectivity, RS232.. Retort stand attachment(s). Set safety temperature limit displayed digitally. Power supply: AC 100-240 V , 50/60 Hz ISO 13485, CE, FDA certificates or equivalent.	Hot plate with Magnetic stirrer	18
1 year. on: Successful on at the Training: on-prehensive for a minimum personnel the system	1	Each	Volum : 20 Lt. Temperature range: 15-100 C. Temperature Resolution Ratio: 0.1 C. Power: 2 KW. The proposed units should be work in electricity voltage and frequency of 220v - 230v. 50/60Hz. ISO 13485, CE, FDA certificates or equivalent.	Water Bath	19
1 year. on: Successful on at the Training: on-prehensive for a minimum personnel the system	1	Each	Photometric system: Double beam , Wavelength range: 190 - 1100 nm. Waveleght accuracy : ± 0.02 nm. Light Source : Halogen Lamp, Deuterium Lamp. Spectral Bandwidth: 1 nm. Scanning Speed 10 - 8000 /nm. Power supply: AC 100-240 V , 50/60 Hz ISO 13485, CE. FDA certificates or equivalent.	UV-Vis Spectrophotometer	20

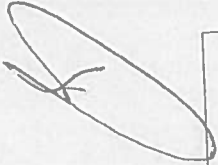
		Warranty, Installation, Installation, laboratory, site completion, training of two scientific operating
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QCL-Lab Team



				Measuring Mode: Optical Rotation, Specific Rotation, Specific Rotation Plus Concentration, Sugar Scale °Z(ISS), Display: On screen LCD / LED (touchscreen), Accuracy: 0.001 deg Arc or better, Measuring Range: ± 89.9 deg Arc Optical Rotation, ± 999.99° Arc Specific Rotation, 0-99.9% Concentration, Optical Wavelength: 589 nm Na and Tungsten-halogen or Hg- Lamp (for 633 nm/ 578 nm / 546 nm / 436 nm / 405 nm, Light Source Sodium/Tungsten-halogen/LED with life time 100,000 h of operation, Prism: Gian Thompson Calcite prism with life time Guarantee, Detector: PMT, Calibration Automatic: Calibration In-built via touchscreen, Calibration Standards: Certified values of Certified Reference Materials (CRM) provided by an accredited Reference Material Producer with stated metrological traceability to the SI for sugar solutions, Power Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, FDA certificates equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each



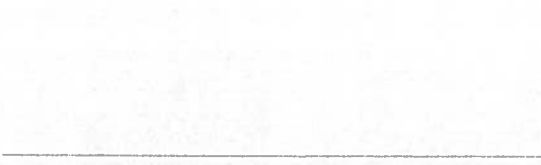

Automated digital
polarimeter

21

11/30/2024

1 year. Successful at the Training on- tensive or a minimum personnel the system	1	Each	It should be a small foot print battery powered with a single Eyepiece with digital display Measurement of liquid, and viscous samples, regardless of their turbidity, viscosity, transparency and absorption. Measurement prism: Optical glass. Light source: LED (Approximating to wavelength of D-Line). Wavelength: 589 nm, Scale: Refractive Index & Brix. Measurement Range: Refractive index (nD): 1.3000 to 1.7000 Brix: 0.00 to 95.00% (5 to 75 oC ATC). Measurement Accuracy: Refractive Index (nD): 0.0004 Brix: 0.03%. Temperature control range: 5.0 to 75.0 °C, Calibration standards: Calibration block: 1 No and contact solution (1-Bromonaphthalene) and any other standard solutions. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent	Abbs digital Refractometer	22
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Warranty:
Installation
Installation
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QCL-Lab Team



		Warranty: 1 year Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature Range: RT+10°C to 200°C. Display Resolution: 0.1°C. Temperature Stability: $\pm 1^\circ\text{C}$. Vacuum Degree: 133 Pa. Chamber Material: Stainless steel. Aluminum Shelves: 2. ISO 13485, CE, FDA certified or equivalent.
			23	Total Number of Device	

	um les	
	Vacuum oven	
		23

Biochemistry Department

وراثی، نصب و ترمیم	مقدار	واحد	مختصات فنی	نام دستگاه	شماره
ity: 1 year. ation: Successful ation at the ory Training: on- prehensive g for a minimum ic personnel ng the system	1	Each	Detector: DAD. Pump: a quaternary pump system with the capability of handling 4 solvents as mobile phase. These solvents may be used together or individually or in any combination. Flow rate: 0.001 - 10mL/min, flow rate accuracy $\pm 1\%$. Operating pressure: more than 60 MPa. Pump Mode: gradient system or isocratic mode. Column Oven: Thermostat system 12 C - 90 C. The system must have an in-built degasser. Clear and easy valves and methods for purging must be available. The tools required for the purging must be provided along with the system. The fittings must be easy to operate with the tools provided. Appropriate tools for maintenance must be provided. It is preferable to have some leak detection system. Some spare consumables (such as inline filters) must be provided initially. Autosampler: can inject samples into the LC system with sample volumes ranging from 0.1 microliters to 100 microliters. The autosampler must be capable of holding at least 100 vials at a time and must allow for programmable automated injection of these samples into the LC system without interruption of the operation. The autosampler must be able to hold vials (approximately 1.5 mL with screw cap and septa) that are interchangeable with standard HPLC vials provided by other vendors. Column: Standard and suitable column with guard column according to the HPLC system. A software system controlling all the aspects of the HPLC system mentioned above must be provided (original disk or Drive or CD). The software should have the capability of different display parameters during the run of a sample. The post run data analysis should be available in the same software where the chromatogram of a sample must be available for analysis. Data analysis must	SH-C-HPLC	1

تیم		قیمت فی واحد	تیمت مجزوع
Average			
Installation			
Training			
Software			
Security			
Compliance			



QCI-Lab Team





Oral and written reports must be available for analysis. Data analysis must include standard chromatogram operations such as area, height, width and percentage estimation. The software system must also allow the easy integration of calibration data into data analysis methods.

A suitable computer system must be provided for this system that can handle all the operations.

UPS system more than 30 min backup

Column: 10 °C below ambient to 100 °C, Temperature accuracy 0.08 °C, column capacity, three 30 cm column, Dimension (HxWxD): 14x34.5x43.5cm, Bio SEC-3 Size Exclusion Column 3 µm particle size, Pore sizes: 100 Å (1 to 100 kDa), 150 Å (0.1 to 150 kDa), 300 Å (5 to 1250 kDa), Bio SEC-5 Size Exclusion Column

5 µm particle size, Pore sizes: 100 Å (0.1 to 100 kDa), 150 Å (0.1 to 150 kDa), 300 Å (5 to 1,250 kDa), 500 Å (15 to 5,000 kDa), 1000 Å (50 to 7,500 kDa) and 2000 Å (100 to 30 kDa).

A tubing kit and maintenance tool kit must be provided along with the system. ISO 13485, CE, FDA certificates or equivalent

11/30/2024

1 year. Successful at the Training: on- prehensive or a minimum personnel the system	1	Each	Adjustable Speed: 200 – 14,000 rpm. .RCF Values range.Adjustable Temperature Range: -10 °C to +40 °C. Cooling: Refrigerated. Adjustable Timer: 1 min to 99 min. with continuous run function, short-spin. Acceleration/braking ramps: 10/10. Power supply: AC 100-240 V , 50/60 Hz ISO 13485, CE, FDA certificates or equivalent.	Refrigerated Centrifuge	2
1 year. Successful at the Training: on- prehensive or a minimum personnel the system	1	Each	ph range: 0 to 14. mv; ± 1000. Accuracy: ±0.02. operating temperature: 5-40 °C. Calibration: 1-3 points automatic calibration with calibration instruction and self-diagnosis. Temp measuring range: 0 to 100 °C. Power Supply: 100-230 Volt . 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Benchtop PH meter	3

Warranty: Installation Installation laboratory site comp training f of two scientific opening		
Warranty: Installation Installation laboratory site comp training f of two scientific opening		



QCL-Lab Team

		Warranty: 1 year. Installation: Successful laboratory training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring range: 0.0001 g-220g; Readability: 0.1mg; Tare Range: Full; Linearity: 0.2mg; Response time: 3 sec. Auto Internal Calibration. PC Interface, USB. Calibration Certificate with calibration weight set. Operating Temperature Range: to 40 °C. Power supply: AC 100-240 V, 50/60 Hz; ISO 13485, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful laboratory training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Capacity : 150 L. Temp Range: 0- 60 °C. Temp accuracy: ± 1 °C. Temp Fluctuation: ± 0.1 °C. Maximum timer range: Hours. Display: LCD. Humidity Range: 50-90 % rh. Power Supply: 100-230 volt, 50/60 Hz; ISO 13485, CE, FDA certificates or equivalent.




Analytical Balance	4
Incubator	2

1 year. Successful in at the Training: on- prehensive or a minimum personnel the system	Each	Chamber: Vertical loading type chamber with service basket. Chamber size: 80 -120 L. Gauges: Should have a water level gauges. Display: Fully Automatic PID control +/- 0.1 °C. LED display for temperature and remaining time. Operation temperature 1-40 °C. Temp accuracy +/- 0.5 at 121 °C. Operation Ing pressure 15-20 °C. Timer. Automatic start and stop timer. Must have safety warning alarm. Must have Nassery accessorize. Must be with calibration certification. ISO 13485, CE, FDA certificates or equivalent.	Vertical Autoclave	6
1 year. Successful in at the Training: on- prehensive or a minimum personnel the system	Each	Gel Size (mm): 60 x 60. Number of samples: 6, 8, 11. Comb Thickness (mm): 1.0, 1.5. Max. Input Voltage (V): 100. Max Current (mA): 50. Continuous Working Time: >24 hours. Buffer volume (ml): 150 ml. Overall Dimensions (L x W x H) (mm): 197 x 96 x 64 ISO 13485. CE, FDA certificates or equivalent.	Gel Electrophoresis System	7

Warranty Installation Installation Laboratory Site Training of two scientific operating		
Warranty Installation Installation Laboratory Site Training of two scientific operating		





QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Working temperature: Ambient $\pm 5 \sim 200$ degree$^{\circ}$C; 1 mode; 1-999 minutes. Capacity (liters): 50. Accessory shelves. Power supply: 220V 50/60Hz ISO 13485. CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring range: 0.00 to 50.0 NTU. Resolution: 0.01 and 1 NTU. Accuracy: $\pm 5\%$ of measured value or ± 1 NTU. Light source: LED, infrared at 850 nm. Lifetime: Almost unlimited. Light detector: Photodiode. Measurement time: < 10 sec. Operating conditions: $< 50^{\circ}$C, ISO 13485. CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Sample volume: 50—150 μl. Resolution: 1 mOsmol/kg. Test time: ~ 2 min. Precision: $SD \leq 4$ mOsmol/kg (0—10 mOsmol/kg. Linearity: $\pm 1\%$ (0—1500 mOsmol/kg. Calibration: Two-point calibration (0 mOsmol/kg and 1 free selectable osmolality). optional: Three-point calibration. Control Keypad (LCD display, 2 rows with 24 character Power supply: 100—240 V, 50—60 Hz, 70 W, ISO 13485, CE, FDA certificates or equivalent.

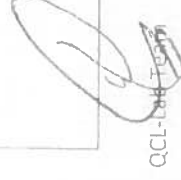
QC Lab Team

me	Oven Hot Air	8
Kinetic Turbidimeter	9	
Freezing point analyzer (osmol meter)	10	

ity: 1 year ation: Successful ation at the ory Training: on- prehensive g for a minimum fic personnel ng the system	1	Each	Material: 316L stainless steel for (for cover, pump head, holder of bottle, pump, support for drain tray), EPDM rubber seal, glass window toughened, polyester keys, polyphenylsulfone (PPSU) container (for drain tray), polyphenylsulfone (PPSU) guide(s) (for tubing) silicon seal. H x W x depth: 41.0 cm x 41.0 cm x 37.2 cm, with accessories, pump body H x W x depth: 27.2 cm x 33.3 cm x 37.2 cm, pump head H: 15.8 cm, input: sample type pharmaceutical, ISO 13485, CE, FDA certificates or equivalent.	Sterility tester	11
ity: 1 year ation: Successful ation at the ory Training: on- prehensive g for a minimum fic personnel ng the system	1	Each	Speed Range: 50 rpm to 2000 rpm. Stirring Capacity: 4L, temperature range: 80-380 °C. Maximum load: 15 to 20 KG. Body Material : Polypropylene, Corrosion resistant surface and panels. A design that prevents liquid spillages from entering the instrument. Digital Output connectivity, RS232. Retort stand attachment(s). Set safety temperature limit displayed digitally. Power supply: AC 100-240 V , 50/60 Hz ISO 13485, CE, FDA certificates or equivalent.	Hot Plate with Magnetic Stirrer	12
ity: 1 year ation: Successful ation at the ory Training: on- prehensive g for a minimum fic personnel ng the system	1	Each	Volum : 16 Li. Temperature range: 15-100 C. Temperature Resolution Ratio: 0.1 C. Power: 2 KW. The proposed units should be work in electricity voltage and frequency of 220v - 230v, 50/60Hz, ISO 13485, CE, FDA certificates or equivalent.	Water Bath	13

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QCL-104-1000

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1 Each	Height: 68 in. Depth With Door Open 90 Degree: 57.0 in. Depth: 31 in. Capacity: 17. Cabinet Width: 28.0 in. Refrigerator Volume: 13.66 cu. ft. Door Style: Countour Handle Material: Plastic. Location of Controls: Interior Up Front. Deli Drawer: 1 Flexi-Slide Bin. Door Bins: 2 Fixed Full-Width. Lighting: LED. Features: LED Lighting. EZ Connect Iceemaker Kit Compatible. Flexi- Slide Bin. Humidity-Controlled Crispers. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1 Each	Temperature range: -12—24°C. Capacity Range: 24 cubic feet. Door Swing: Left Hinge, Double-Swing. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1 Each	Speed Range: 200 to 3000 rpm. Material: Rubber. Plastic Platform. Dimensions (L x W x H): 8.1 x 5.9 x 5.2 in. (20.5 x 15.1 x 13.1 cm). Timer Range: 1 to 99 min., Continuous. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.

OCL-Lab Team

Refrigerator	14
Freezer (-20)	15
Digital vortex mixer	16

1 year. Successful on at the Training: on- prehensive or a minimum personnel the system	1 Each	Temperature Range: 5 to 40°C. Humidity: 0 to 80% relative humidity. Viscosity Limit: <50 cP. Sample Bottle Clearance: 153 mm. Volume Accuracy: > 95%. Sample Flow Rate: 10 to 100 mL/min. PharmSpec 3 Software(Processor: 1.0 GHz or faster processor. Operating System: Windows 10 Enterprise 64-bit. Memory: 2GB of RAM). Standard Sensors range: 2 µm to 600 µm (chemical compatibility). Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Liquid Particle Counter	17
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QCL-lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Capacity : 150 L, Temp Range: 0- 60 °C, Temp accu ±/ - 1 °C, Temp Fluctuation: ±/ - 1 °C, Maximum timer rang Hours, Display: LCD, Humidity Range: 50-90 % rh, Power Supply: 100-230 volt , 50/60 HZ, ISO 13485, CE, FDA certificates or equivalent.
Total number of Device			18		

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Tarih: 24

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Medical Equipment Department

وراثتی، نصب و ترمیم	مقدار	واحد	مشخصات فنی	نام دستگاه	شماره
Warranty: 1 year. Installation: Full Location at the Primary Training: Comprehensive for a Team of two personnel Managing the system	1	Each	Flow under the max rotation speed : 500ml/min. Speed : 0-220rpm. Total height of hanger : 405mm. stainless steel: 304 steel, ISO 13485 C.E. FDA certificates or equivalent.	Sterility test pump (Complete system)	1

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QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system		1 Each	Vacuum Degree: 0 ~ -90 KPa/ 0 ~ -13 psi. Accuracy: $\pm 0.25\%$ FS. Resolution: 0.1 KPa / 0.01 psi. Vacuum Chamber Effective Sizes: $\phi 270$ mm x 210 mm (H). Gas Supply: Air (outside of supply scope). Gas Supply Pressure: 0.5 MPa ~ 0.7 MPa (73psi ~ 101psi). Power Supply: 100-230 volt, 50/60 Hz. ISO 13485. CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system		1 Each	Load capacity: 255 kgf. Max speed (mm/min): 2540. Travel speed (mm/min): 0.005. Maximum force at full speed 10.75. Position control resolution μm: 0.61. Total Cross travel (mm): 1041. Total Vertical Test space (mm): 1219. ISO 13485. CE, FDA certificates or equivalent.




Leak and Seal Strength Tester	2
Suture Tensile Strength Testing machine	1

ity: 1 year. ation: asful ation at the ory Training; hensive g for a m of two fic personnel ng the system	1	Each	Test effective area: 105*100 mm, up to 105*152 mm. Effective stroke:150mm. Maximum load:500N. Accuracy:±0.5% ISO 13485, CE, FDA certificates or equivalent.	Manual Peel Strength Tester	1
ity: 1 year. non- stful tion at the ory Training; hensive t for a m of two ic personnel ng the system	1	Each	Test Stroke: 1.5 mm Size: 500mm x 590mm x 350mm. Maximum Blade Length: 200mm, but longer and wider blades can be accommodated with a special adaptor. Maximum Blade Width: 100mm ISO 13485 CE, FDA certificates or equivalent	Razor Edge Sharpness Tester	1

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QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1 Each	Capacity : 150 L., Temp Range: : 0- 60 °C, Temp acc ±/- 1 °C, Temp Fluctuation: ±/- 1 °C, Maximum timer ran Hours, Display: LCD, Humidity Range: 50-90 % rh, Power Supply: 100-230 volt , 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	3 Each	Measuring Range: 0-150 millimeter or 0-6 inch. Resolution: 0.01 millimeter or 0.0005 inch, Repeats b 0.01 millimeter or 0.0005 inch, Maximum measureme speed: 1m.s., ISO 13485, CE, FDA certificates or equivalent.




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Dijital Vernier Caliper	Dijital Vernier Caliper	7

ty: 1 year. ion: ful ion at the ry Training: ensive for a m of two e personnel g the system	1	Each	Measuring range: 0.0001g-220g. Readability: 0.1mg. Tare Range: Full. Linearity: 0.2mg. Response Time: 3 sec. Automatic Internal Calibration, PC Interface . USB. Calibration Certificate with calibration weight set . Operating Temperature Range: 10° to 40 °C. Power supply: AC 100-240 V , 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Analytical Balance	8
y: 1 year. ion: ful ion at the ry Training: ensive for a n of two e personnel g the system	1	Each	Ph range: 0 to 14. mv. ± 1999, Accuracy: ±0.02, operating temperature: 5-40 °C. Calibration: 1-3 points automatic calibration with calibration instruction and self-diagnosis. Temp. measuring range: 0 to 100 °C. Power Supply: 100- 230 volt , 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent	Rechnung pH meter	9

Warrant Installation Success Installation Laboratory on-site control training minimum scientific operation		

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QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed Range: 50 rpm to 2000 rpm. Stirring Capacity temperature range: 80-380 °C. Maximum load: 15 to K.G. Body Material : Polypropylene. Corrosion resistant surface and panels. A design that prevents liquid spillages from entering instrument. Digital Output connectivity: RS232. Keypot stand attachment(s). Set safety temperature limit displayed digitally. Power supply: AC 100-240 V . 50/60 Hz ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Volume : 20 L. Temperature range: 15-100 C. Temperature Resolution Ratio: 0.1 C. Power: 2 KW. The proposed units should be work in electricity voltage and frequency of 220V - 230V, 50/60Hz. ISO 13485, CE, FDA certificates or equivalent.




4L. 20	the Hot Plate with Magnetic Stirrers	10
er DA		
Water Bath		11

ay: 1 year. ion: ful ion at the ry Training: ensive for a m of two e personnel g the system	1	Each	Height: 68 in. Depth With Door Open 90 Degree: 57.0 in. Depth: 31 in. Capacity: 17. Cabinet Width: 28.0 in. Refrigerator Volume: 13.66 cu. ft. Door Style: Contour. Handle Material: Plastic. Location of Controls: Interior Up Front. Deli Drawer: 1 Flexi-Slide Bin. Door Bins: 2 Fixed Full-Width. Lighting: LED. Features: LED Lighting, EZ Connect Iceemaker Kit Compatible, Flexi-Slide Bin, Humidity-Controlled Crispers, Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Refrigerator	12
ay: 1 year. ion: ful ion at the ry Training: ensive for a m of two e personnel g the system	1	Each	Temperature range: -12--24°C Capacity Range: >24 cubic feet. Door Swing: Left Hinge, Double-Swing. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Freezer (-20)	13

Warrant Installation Successful Installation Laboratory on-site control training minimum scientific operating		
Warrant Installation Successful Installation Laboratory on-site control training minimum scientific operating		





QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1 Each	Speed Range: 200 to 3000 rpm. Material: Rubber. Platform. Dimensions (L x W x H): 8.1 x 5.9 x 5.2 in (20.5 x 15.1 x 13.1 cm). Timer Range: 1 to 99 min.; Continuous. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1 Each	Temperature range : 50-300 °C. Chamber volume: 1 walls: stainless. Power supply: AC 100-240 V , 50/60 ISO 13485, CE, FDA certificates or equivalent.




ity: 1 year. ion: ful ion at the ory Training: ensive for a m of two e personnel the system	1	Each	Chamber: Vertical loading type chamber with service basket. Chamber size: 80 -120 L. Gauges: Should have a water level gauges. Display: Fully Automatic PID control ± 0.1 °C. LED display for temperature and remaining time. Operation temperature 140 °C. Temp accuracy ± 0.5 at 121 °C. Operation lng pressure 15-20 °C. Timer: Automatic start and stop timer. Must have safety warning alarm. Must have Nassery accessorize. Must be with calibration certification. ISO 13485, CE, FDA certificates or equivalent.	Vertical Autoclave	16
y: 1 year. ion: ful ion at the ory Training: ensive for a n of two e personnel g the system	1	Each	Standard version, working space: 1185x570x570mm. Includes: radial fan, illumination, differential pressure indicator, pre-filter, HEPA filter. For bench mounting ISO 13485, CE, FDA certificates or equivalent.	Vertical Laminar Flow Bench	17
17	Total number of device				

Warrant	Warrant
Installation	Installation
Success	Success
Installation	Installation
laboratory	laboratory
on-site	on-site
comprehensive	comprehensive
training	training
minimum	minimum
scientific	scientific
operation	operation
Warrant	Warrant
Installation	Installation
Success	Success
Installation	Installation
laboratory	laboratory
on-site	on-site
comprehensive	comprehensive
training	training
minimum	minimum
scientific	scientific
operation	operation




QCL-Lab Team

Water purification plant

قیمت مجموعتی	قیمت فی واحد	ورانتی، نصب و تربیتنگ	مقدار	واحد	مشخصات فنی
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	2	Each	Product Water Type: Type 1 and Type 2. Resistivity: 18.2MO.cm at 25°C. Type 2: 10 to 15MO.cm at 25°C. Conductivity: Type 1: 0.05µS/cm. Type 2: 0.067 µS/cm. Feedwater Source: tap. Flow Rate: 0.6l/min. Organic Carbon: 1 to 5ppb. Endotoxin Concentration: 0.005EU/mL. Bacterial Content: <0.01 CFU/mL. Pressure: 1-6 Bar. RO Flow Rate: 12L/hr. Permeate performance: 12L/hr. at 10°C. Power supply: AC 110/60 Hz. ISO 13485 CE. FDA certificates or equivalent. In case the total dissolved solids (TDS) in the waste site exceed 150 ppm, the supplier is responsible for prefiltration system (RO system).
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	4	Each	Distillation capacity: 10 l/h. Distillate conductivity: µS/cm (at 25°C). Material: Stainless steel. Power supply: 100-240 V, 50/60 Hz. ISO 13485 CE. FDA certificates or equivalent. * In case the total dissolved solids (TDS) in the waste site exceed 150 ppm, the supplier is responsible for prefiltration system (RO system).




اسم شرکت:

آدرس:

تاریخ: 1403

- (1) معینیت غذا و ادویه وزارت صحت تمامه تخصیص بودجه لازم برای تدارک احسان / خدمات غیر مشورتی مندرج این درخواست را دارد.
- (2) آفر سر بسته شمای تاریخ 1403 / ساعت 02:00 بعد از ظهر یا قبل از آن به شعبه هیات خاص خریداری ماشین آلات لایراتوار + زون کشور، معینیت غذا و ادویه وزارت صحت عامه واقع ده افغانان تسلیم داده شود.
- (3) آفر ها نیکه بعد از میعاد تسلیسی ارائه گردند. بدون اینکه بارشود مسترد می گردد. پاکت حاوی آفر باید به صورت واضح عبارت نرخ قبه و تدارک 344 قلم ماشین آلات لایراتوار + زون مورد ضرورت لایراتوار های ولایت هرات، قندهار، ننگرهار و بلخ در بنایی نشانی شده باشد.
- (4) آفر ارائه شده درآفرها باید الی مدت (30) روز تقویمی سر از تاریخ ختم میعاد تسلیسی آفرها اختیار داشته باشد.
- (5) در صورت تغییر در مقدار نیازمندی. اداره می تواند مقدار نیازمندی تقاضا شده را الی (15) فیصد زیاد و یا کم نماید. مشروط به اینکه قیمت مجموعی آن از حدود صلاحیت پولی برای درخواست نرخ گیری تجاوز ننماید.
- (6) ترجیح داخلی مطابق حکم چهار طرز العمل تدارکات قابل اجرا است. (25%) (بیست و پنج فیصد) تولیدات داخلی ارجحیت دارد.
- (7) آفر گشائی درمختصر عام حتمی نبوده و فرمایش دهندده مکلفه به نیازترین نرخ می باشد. در صورت رد هریک یا تمام آفرها فرمایش دهندده کدام مسئولیت در قبال داوطلب قبه ارائه کننده ندارد.
- (8) آفر دهندده اسناد ذیل را با آفر خویش ضمیمه می نماید:
 - 1- حوار تجارتي / فعالیت / کار قابل اعتبار:
 - 2- تمر تشحیصیه مالیه: (اختیاری)
- (9) سند نرخ گیری تکمیل و توسط شخص با صلاحیت با نماینده قبه / ارائه کننده در هر صفحه مهر امضاء شده باشد.
- (10) تحویل دهی حسن در مرکز ولایات های ولایت هرات، قندهار، ننگرهار و بلخ می باشد.

نام کارمند صادر کننده درخواست نرخ گیری:

وظیفه کارمند:

شماره تماس:

امضای هیئت خریداری:

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- (9) $\frac{1}{x^2} = x^{-2}$ $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$ $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$
- 1- $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$
- 2- $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$
- 3- $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$
- 4- $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$
- (5) $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$
- (4) $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$
- (3) $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$
- (2) $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$
- (1) $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$

ישראל מדינת ישראל

משרד המשפטים

התביעה

התביעה מביאה בפני בית דין את המאורעות הבאים:

התביעה מביאה בפני בית דין את המאורעות הבאים: