



TÜRKİYE ODALAR VE BORSALAR BİRLİĞİ



Dumlupınar Bulvarı No:252 (Eskişehir Yolu 9. Km.) 06530 /ANKARA

www.tobb.org.tr - tobb@hs01.kep.tr

Sayı : E-34221550-720-9662

Tarih: 19.08.2025

Konu : Afganistan'ın Kalite Kontrol Laboratuvar Malzemeleri İçin Fiyat Teklifi Talebi

TÜM ODA VE BORSALARA (Genel Sekreterlik)

İlgi : Ticaret Bakanlığı'nın 18.08.2025 tarih ve 112521419 sayılı yazısı.

İlgi yazı ile, Afganistan'ın Herat, Kandahar, Nangarhar ve Belh vilayetlerinde kurulmak istenen bölgesel kalite kontrol laboratuvarları için ihtiyaç duyulan malzemelere ilişkin ülkemiz firmalarından fiyat teklifleri alınmasına yönelik Afganistan Halk Sağlığı Bakanlığı tarafından iletilen talebi içeren belge gönderilmektedir.

Söz konusu belge ekte yer almakta olup ilave bilgi için T.C. Kabil Ticaret Müşavirliği (kabil@ticaret.gov.tr) ile irtibat kurulması gerekmektedir.

Bilgilerini ve konunun ilgili üyelerinize e-posta ile duyurulmasını rica ederim.

Saygılarımla,

e-imza

Mustafa BAYBURTLU
Genel Sekreter Yardımcısı

EK: Afganistan Halk Sağlığı Bakanlığı Talep Listesi (136 sayfa)



Evrakı Doğrulamak İçin : <https://belgedogrula.tobb.org.tr/belgedogrulama.aspx?eD=BSDLJ9HNRK>

Tel : +90 (312) 218 20 00 (PBX) - Faks : +90 (312) 219 40 90 -91 -92... - E-Posta : info@tobb.org.tr

Bilgi İçin: Kaan GAFFAROĞLU - Tel : 03122182220 - E-Posta : kaan.gaffaroglu@tobb.org.tr



امارت اسلامی افغانستان
وزارت صحـصت عامه
معینیت غذا و ادویه

د افغانستان اسلامي امارت
د عامي 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)

مربوط: لاہراتوار های ولایت ہرات، کندهار، ننگرہار و بنخ

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 لایراتوار 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 گردند. بدون اینکه بازشود مسترد می گردد. پاکت حاوی آفر باید به صورت واضح عبارت نرخ قبه و تدارک 344 قلم ماشین آلات لایراتوار 4 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 تقویتی سر از تاریخ ختم میعاد تسلیمی آفرها اعتبار 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 چهاره طرزالعمل تدارکات قابل اجرا است. {25%} (بیست و پنج فیصد) تولیدات داخلی ارجحیت دارد.
- (7) آفر گشائی در محضر عام حتمی نبوده و فرمایش دهنده مکلفه قبولنازترین نرخ نمی باشد. در صورت رد هر یک یا تمام آفرها فرمایش دهنده کدام مسؤلیت در قبال 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 القی نصب و تربیتیگی	مقار	واحد
		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 if necessary. Pump: a quaternary pump system with the capability of handling 4 solvents as mobile phase. These solvents may be handled together or individually in any combination. Flow rate: 10ml/min. Flow rate accuracy: ± 1%. Operating pressure: 60 Mpa. Pump Model: 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. The 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 reagent filters) must be provided in the Autosampler can inject samples into the LC system with volumes ranging from 0.1 microliters to 100 microliters. Autosampler must be capable of holding at least 100 vials and must allow for programmatic automated injection of samples into the LC system without interruption of the program. The autosampler must be able to hold vials (approximately 1.5ml) with screw cap and septa that are interchangeable with 500 µl 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 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 a run sample must available for analysis. Data analysis must






	تجزیه	تجزیه
<p> 1. The cancelled if ability of be used : more than (Aluminum have an in- ighing must e avoided e with the e provided. ave d) ample HPLC 1 </p>	<p> at a time these these eration. y 1.5 mL tandard d and system. system e of (1D), ay analysis atogram of list include </p>	

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<p>Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>		<p>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 polyanomatic hydrocarbons. A tubing kit and maintenance tool kit must be provided along with the system. ISO 13485, CE, FDA certificates or equivalent</p>	
	<p>1 Each</p>	<p>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.</p>	<p>FTIR Spectrophotometer 2</p>



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		<p>Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Automatic Kjeldahl nitrogen analyzer. Measuring range ~240mg N. Reproducibility: Average value relative error Burette volume: 1.0ml/step optional: 0.2ml/step and 0.1ml/step Water consumption in the distillation process: 0.5L/unit supply: 220VAC±10%, 50Hz, power: 2Kw, Capacity: 100-200 per batch. Tank capacity: 4x15L. Power Supply: 100-240V/50/60 Hz. ISO 13485, CE, FDA certifies or equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Speed Ranges: 50 rpm to 2000 rpm. Stirring Capacity: 400ml temperature range: 80-380 °C. Maximum load: 15 to 200g Body Material : Polypyrrolone. Corrosion resistant surface panel : A design that prevents liquid spillages from entering instrument. Digital Output connectivity: RS232C Retort stand attachment(s). Set safety temperature limit digitally. Power supply: AC: 160-240 V , 50/60 Hz ISO 13485, CE, FDA certifies or equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Capacity: 10 Lit. (Operating temperature: 0 to 40°C. Accuracy: ±0.1°C. Resolution: ±0.1 °C. The proposed units should be able to operate in electricity voltage and frequency of 220v - 230v, 50/60 Hz.</p>

<p>Accuracy: ±0.1mg Precision: ±0.5% Injection Power: 24 samples 30 volt . Temperature</p>	<p>Fully Automatic Kjeldahl Nitrogen Analyzer</p>	3
<p>Accuracy: ±0.1mg Precision: ±0.5% Injection Power: 24 samples 30 volt . Temperature</p>	<p>Heater with Magnetic stirrer</p>	1
<p>Accuracy: ±0.1mg Precision: ±0.5% Injection Power: 24 samples 30 volt . Temperature</p>	<p>Ice Bath</p>	5

<p>Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>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</p>	Bench top PH meter	6
<p>Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Measuring range: 0.0001g-221g. Reliability: 0.1mg. Tare Range: Full. Linearity: 0.2mg, Response Time: 3 sec; Operating Temperature Range: 10° to 10° C. Calibration tools: Standards weights. Power supply: AC 100-240 V, 50/60 Hz. ISO 13485. CE. FDA certificates or equivalent.</p>	Analytical Balance	7
<p>Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Fully Automatic Bomb Calorimeter for rapid determination of Gross Calorific Value of food items. Temperature resolution: 0.00010C or Better, Reproducibility: <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</p>	Bomb Calorimeter	8



QCI Lab - Team

		<p>Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>		<p>Hand Motor lift: hand lift. Height adjustment speed: 10 – 280 mm. Height adjustment: 155 mm. Rotation speed: 10 – 280 RPM. Rotation speed setting: 3.5" LCD display. Drive: brush motor with electronic speed control. Heating capacity: 1000 W. Temp. range heating bath: 20 – 210 °C. Temperature accuracy: ±1. Overheat protection bath: cut-off at 5 °C over temperature via separate Pt 1000. Bath temperature setpoint: LCD display. Heating bath temperature control: electronic. Material heating bath: stainless steel. Diameter: 255 mm. Volume heating bath: 4.5 L. Flask volume: 250 ml. Rate of evaporation: Ethanol: 3.5 L/h. Water: 1.5 L/h. Condensing surface: 1.200 cm². Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>
		<p>Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Each Measurement Range: 0.0980µm Temp range: 0 -50 °C Measurement accuracy: water activity: ±0.015 aw @ 25 °C Measurement point: 1. Relative humidity: 0.1 - 100% Power Supply: 100-230 volt, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>
		<p>Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Each It should be a small foot print battery powered with a 1000mAh battery. Measurement of liquid: 0.1 µl. Samples: regardless of their turbidity, viscosity, transparency. Measurement prism: (Optical glass, Light scattering). Approximating to wavelength of D-line). Wavelength scale: Refractive Index & Brix. Measurement Range: 1.3000 to 1.7000 Brix: 0.00 to 95.00% (5 °C). Measurement Accuracy: Refractive Index (nD) Brix: 0.03%. Temperature control range: 5.0 to 75.0 °C. Calibration standards: Calibration block: 1 No and control solution (1-Bromonaphthalene) and any other standard solution. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>

<p>manual. rpm less DC 1500 W accuracy</p>	<p>Rotary vacuum evaporator (it included vacuum pump and water chiller)</p>	9
<p>220 V, 0.95 kW EL-11DA</p>	<p>Water activity meter</p>	10
<p>single and viscous sensitivity and accuracy. EL-11D b. 589 nm, Refractive to 75.00 ; 0.0004</p>	<p>Abbs digital Refractometer</p>	11
<p>4 solutions. PIDA</p>		

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<p>Warranty: 1 year. Installation: Successful Installation at the Laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>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 – 230°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 O x 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</p>	<p>Automated Fat analyzer</p> <p>12</p>
<p>Warranty: 1 year. Installation: Successful Installation at the Laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>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. ± 0.00999 deg Arc Specific Rotation. 0.99.9% Concentration. Optical Wavelength: 589 nm Na and Tungsten-halogen or Hg- Lamp (for 633 nm/ 578 nm - 5-6 mm / 405 nm, Light Source: Sodium Tungsten-halogen LED with life time 100,000 h of operation, Prism: Gilat 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.</p>	<p>Automated digital polarimeter</p> <p>1</p>



OCI Lab - Team


	<p>Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>The system must be closed and microprocessor controlled capable of performing all operations: extraction, rinsing, filtration of samples for analysis of crude fiber, acid de-fiber, neutral detergent fiber, etc. Should have agitator/heat Switch & temperature/timer/lock controller for process parameter and results readout. System should be based on either a fiber 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.</p>
	<p>Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>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 Lovibondϕ unit. Optical system: 11 gal, nylon racks containing a graduated range of Lovibond standard glass-cubes. Viewing system: Fully adjustable, prismatic viewing fiber for light standardization. Light source: 2 x 15 W A act tungsten halogen lamp Illuminant approximates D65 Cath length: (P to 153 mm (6")); Power supply: AC 100-50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>



<p>led, g N re gent</p>	<p>er input miches or ane</p>	<p>Automated fiber analyzer</p>	<p>14</p>
<p>relative 9.60 Hz</p>			
<p>performance Montak ss-filled e. 50 km h. equal V. 10 o. hydraulic 15-16 V att</p>	<p>Lowband unimeter</p>		<p>15</p>

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<p>Warranty: 1 year. Installation: Successful Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>Each</p>	<p>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 type 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.</p>	<p>Digital Dry Desiccator</p>	<p>16</p>
<p>Warranty: 1 year. Installation: Successful Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>Each</p>	<p>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. Simultaneous 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.</p>	<p>Thin Layer Chromatography (TLC)</p>	<p>17</p>



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		<p>Warranty: 1 year. Installation: Successful laboratory training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Each</p> <p>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 14.14% 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: W220x D415x H190 (mm), 4.5 kg Operational temperature and humidity range ranges: 5°C to 40°C, 85% RH maximum Standard accessories: Sample pan 2 pcs, sample pan windbreak case, sample pan, handle 2 pcs, alarm pan pes, spoon, spatula, Power supply: AC 100-240 V, 50/60 Hz ISO 13485, CE, FDA certificates or equivalent.</p>
		<p>Warranty: 1 year Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Each</p> <p>Temperature range: -12~24°C (Capacity Range: 0.21g) Door Swing: Left Hinge, Double-Swing, Power supply: AC 100-240 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.</p>




<p>ment</p> <p>09,000%</p> <p>Step drying</p>	<p>Electric moisture balanced</p>	<p>18</p>
<p>Step sheet 20 60 Hz.</p> <p>Electric feed: by: 100-250 ivalent.</p>	<p>Freezer (-20)</p>	<p>19</p>

<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>Each</p>	<p>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</p>	<p>Digital Refractometer 20</p>
<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>Each</p>	<p>Dedicated this Parameters: Fat, Protein, Lactose, Total Solids, Solids non-fat, Freezing Point (milk only) Features 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.</p>	<p>Milk Analyzer 21</p>



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		<p>Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Tank capacity: 8 L. Tank size (mm): 300x240x150. Power: 200 W. Heating power: 300 W. Heating Time setting: 1-99 min. Display: Digital RED LED Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA or equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Speed range: 30-460rpm. Heavy duty maximum load Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA or equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Max bandwidth: 150 mW/cm². 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.</p>




Ultrasonic Amp: 0-80 W, Power Certificates	Ultra Sonic Bath	22
40kg Power Certificates	Orbital Laboratory Shaker	23
385 mm, 400 mm Supply 100 x 500mm	UV Chamber	24

<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>Each</p>	<p>Max. flow rate: 20 l/min. Capacity: 300 ml / 1000 ml Filter diameter: 47 mm / 50 mm. Effective filtration area: 1 / 1 cm Filter funnel: PES. Waste bottle: Borosilicate 1000/III 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 (CF, FDA certificates or equivalent.</p>	<p>Vacuum Filtration System 25</p>
<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>Each</p>	<p>Viscosity range: 0.5mPa - 70000 mPa, Accuracy: 0.5%, Balls 1 and 2; Boron Silicate Glass, Balls 3 and 4; Nickel wire, Balls 5 and 6; Steel Fall 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.</p>	<p>Patting ball Viscometer 26</p>
<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>Each</p>	<p>Application: liquid and semi solid mixer homogenizer; PLC automated touch screen control, jacketed process vessel for temperature controlled processing Capacity: 1 L. (Model: H10M13 Ltr). Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>	<p>Homogenizer 27</p>

QCL Lab - Team

Noise Vibration 999 mm, sorting clamps 50 V, 50/60	Sieve Shaker	28
A range 14-28 100- (equivalent)	Psychrometer	09
Adhesivity interface 100 mm Strength 0.1%, KI 6 C, KI 3 Hz ISO	Digital Balance Refractometer	30

Microbiology Department

وراثی و نصب و ترمیم	مقدار	واحد	مشخصات فنی	نام دستگاه	شماره
<p>Warranty: 1 year. Installation: Successful Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>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.</p>	Vertical Laminar Flow Bench	1
<p>Warranty: 1 year Installation: Successful Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Measuring range: 0.0001g-220g. Repeatability: 0.1mg. Tare Range: Full. Linearity: 0.2mg. Response Time: 3 sec. Automatic Internal Calibration. PC Interface. USB. Certification 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</p>	Analytical Balance	2

قيمت في واحد	قيمت مجموعي



QCI Lab - Team



		<p>Warranty: 1 year. Installation: Successful laboratory Training: on site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Capacity : 150 L., Temp. Range: : 0- 60, Temp. accuracy: Temp. Fluctuation: \pm 1 °C. Maximum timer run Hours: Display: LCD, Humidity Range: 50-90 % rh, Supply: 100-230 volt., 50/60 Hz., ISO 13485, CE, FF certificates or equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful laboratory Training: on site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Cabinet (Material of construction): Cabinet should be Galvanized Iron 18 SWG sheet metal with polyurethane coated finish and bottom will be supported with AISI coated modular stand which can be adjustable for the leveling legs or motorized. External surfaces to be antimicrobial coating to protect against surface contact and inhibit bacterial growth. Interior work area to be single piece of stainless-steel with large radius corners cleaning. The cabinet work area must have no welds which collect contaminants or rust. Four front door 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 side walls from double layered outer GI & inner stainless steel & air plenum in between. Edges should be performed for of room air into the work zone and exit of contaminant</p>



<p>eracy: 1 ger: 24 Power DA</p>	<p>Incubator</p>	<p>3</p>
<p>e made from ane paine with pe ight with ated with mination from a</p>	<p>to simplify ed joints, type B2</p>	<p>4</p>

with returns-
avoid entry
ed air in to

<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>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 % 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 W.G. Grade: H14 rating. Real-time display panel for remaining Filter. ISO 13485, CE, FDA certificates or equivalent.</p>	
<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>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 0.1 °C. LED display for temperature and remaining time. Operating temperature 10 °C. Temp accuracy ± 0.5 at 121 °C. Operating pressure 1.5-20 kPa. 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.</p>	<p>Vertical Autoclave</p>
<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>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.</p>	<p>Hot Plate with Magnetic Stirrers</p>

QCL Lab - Team



		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each
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Head: Binocular. Body: Body-Single mold sturdy stand, inclined Binocular body 30°-360° rotatable focus adjustment controls. A durable textured acid finish. All metallic parts should be corrosion-proof and stain-proof. Optical system should be covered. Built-in LED light source with white light intensity control and LED life of more than 10,000 hours. Objective: Parfocal, antireflective coated 4X, 10X, 40X (immersion) with semi-planner achromatic correction should be well centered even if their position on the stage is changed. 10X, 40X and 100X objectives should have numerical apertures of 0.25 and 0.65 respectively. 100X should have a numerical aperture of 1.25 and should be of oil immersion type. Breakable containers to be provided for storing the objectives. Nose piece: Backward tilted revolving nose piece should accommodate four objectives with click stop. It should be provided with rubber ribbed grip for easy rotation and precision ball bearing mechanism for smooth and accurate alignment. Extra ports if any should be fitted with the nose piece. Metallic objective caps. Stage: Stage unit with mechanical stage having dimensions of length 140 mm (width) with fine Venter graduations. It should be of heavy cast sub-stage vertical coaxial adjustment for fine adjustment. 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. Illuminator: The system should have a built-in light source (Illuminator). Microscope should comply with IEC 62001 (processor). Power Supply: AC 100-230V, 50/60 Hz, ISO 13185, CE, PDA certificates or equivalent.

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<p>stable base head with resistant acid proof ould be infirmy with Has and 100x tool a objective ret is numerical have reson of objectives able to d be counted on a centre stare fungal horizontal mm for esigned with slide ence with of part of -diphtheria in varicella along with 0 V . 50 60</p>	<p>Figural Microscope with part station</p>	<p>7</p>
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<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>Each</p>	<p>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, Lkd. complete with clamp and screw, O-rings. Power supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>	<p>Anaerobic system with anaerobic jar</p>	<p>8</p>
<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>Each</p>	<p>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</p>	<p>Incubator</p>	<p>9</p>
<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>Incubator</p>	<p>10</p>

QCL Lab - Team

	<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>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-diagn measuring range: 0 to 100 °C, Power Supply: 100-230/50/60 Hz, With two extra electrodes, ISO 13185, CE, certificates or equivalent.</p>
	<p>Warranty: 1 year Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Material of construction: Full Stainless-steel fabricated 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, Color free viewing low energy bright switchable black background viewing translucent and see columns, Zero reset button, Power supply: AC 100 50/60 Hz, ISO 13185, CE, FDA certificates or equivalent.</p>
	<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Temperature range: 1.2 - 24°C, Capacity Range: 0.24 Door Swing Left Hinge, Double-Swing, Power Supply V, 50/60 Hz, ISO 13185, CE, FDA certificates or equivalent.</p>

ating tic osis: Temp 80 volt. FDA	Bench top pH meter	11
ed body with It should ation by eater than petri dish for standard by LED's. A difficult to 9-230 V ident.	Digital Colony Counter	12
entibic fever ly: 100-230 ivalent.	Freezer (-20)	13

<p>Warranty: 1 year Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>Each</p>	<p>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: Concave 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</p>	<p>14</p>	<p>Refrigerator</p>
<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>Each</p>	<p>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. 129.5 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</p>	<p>15</p>	<p>Digital vortex mixer</p>
<p>Warranty: 1 year Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>Each</p>	<p>RPM range: 50-5000 RPM. Increment range: 5 RPM. Timer facility 1 min to 15 min or beyond. Rotor capacity: 12 or more 15 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</p>	<p>16</p>	<p>Digital Control Centrifuge</p>



QCL Lab - Team

		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Counting Chamber: Constructed entirely of glass. Ce should contain a 15x20mm rectangle that is flanked by shoulders on each side to support cover glass. Reclaim Cover glass should have optically plane surfaces. Face calibration of microscope. Eyepiece micrometer: Kru squares (grid), each of which is equal to 1/6 of the diameter eyepiece diaphragm opening. Cover slips: 1mm 28mm 0.5mm 2 Nos. Thick 280mm x 33mm x 1.00mm 2 Nos. Supply : AC 100-230 V, 50/60 Hz, ISO 13485, CE, certificates or equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Vellum : 20 Ltr. Temperature range: 15-30 °C, Temp Resolution Ratio: 0.1 °C, Power: 2 K.W. 110-115-120V/50Hz should be used in electricity voltage and frequency of 230V, 50/60Hz, ISO 13485, CE, TDS given in Form</p>




<p>ature of glass y 0.1 mm able and lites for ed into meter of the n x 33mm x Power FDA</p>	<p>Howard Model Counter</p>	<p>17</p>
<p>perature 4 units F 220V equivalent</p>	<p>Waco H-60</p>	<p>18</p>

11/30/2024

<p>Warranty: 1 year. Installation: Successful Installation at the Laboratory Training: on- site comprehensive training for a minimum of two</p>	<p>1</p>	<p>Each</p>	<p>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.</p> <p>Laboratory Micro Fittings, Unit</p>	<p>19</p>
<p>Total Number of Device</p>			<p>19</p>	



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001 | ah - Team

Water Physicochemical Department

وراثی، نصب و تربیتنگ	مقدار	واحد	مشخصات فنی	نام دستگاه	شماره
<p>Warranty: 1 year Installation: Successful Installation at the laboratory; Training: on-site Comprehensive training for minimum of two Scientific personnel operating the system</p>	1	Each	<p>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.</p>	UV-Vis Spectrophotometer	1
<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site Comprehensive training for minimum of two Scientific personnel operating the system</p>	1	Each	<p>Elements, Potassium (K), Sodium (Na), Lithium (Li), Calcium (Ca), Barium (Ba), measuring range, measuring range 0-199.9). Power supply: AC 100-240 V , 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent</p>	Flame photometer	2

		<p>Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>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 µg/L or ppt; Temperature: 0.1 °C; Accuracy: ±1% full-scale; TDS: ±1% full-scale; Temperature: ±0.5 °C; Calibration: Calibration reference material traceable to SI units or ISO 11733; Accessory: 5 Conductivity and TDS range point push button Calibration. Accessories: Electrode One spare electrode. Power supply: AC 100-240V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>
		<p>Warranty: 1 Year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>ph range: 0 to 14. mv; ±199%. Accuracy: ±0.02 temperature: 5-40 °C; Calibration: 1-3 points at 5, 15, 25, 37 °C; Calibration with calibration instruction and self-temperature measuring range: 0 to 100 °C; Power: 5W; 230 volt, 50/60 Hz; ISO 13485, CE, FDA certificates or equivalent.</p> <p>Measuring range: 0.0001g-200g; Readability: 0.001g; Range: Full; Linearity: 0.2mg; Response Time: 10s; Automatic Internal Calibration; PC Interface: 1 Port; Calibration Certificate with calibration weight seal; Temperature Range: 10° to 40 °C; Power supply: 240 V, 50/60 Hz; ISO 13485, CE, FDA certificates or equivalent.</p>

DS 0 - 20000 001 mg/L or accuracy: rate: by certified T04, Auto- ss (pH 5- mischer holder 249 V, 50/60 Hz)	Benchmark Conductivity meter - IDS ocean	3
operating voltage dimensions: depth: 100 breadth: 60	Benchmark pH meter	4
price: 1000 SBI AC Power Cable	Analytical Balance	5


<p>arranty: 1 year Installation: Successful Installation at the laboratory training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1 Each</p>	<p>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: ± 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.</p>	<p>6 Bench top Turbidity meter</p>
<p>arranty: 1 year. Installation: Successful Installation at the laboratory training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1 Each</p>	<p>Wavelength range: 420-660 nm. Filter: 420 nm, 470 nm, 540 nm, 620 nm & 660 nm. Detector: silicon photo-cell. Photoelectric range: 1%:0-100%. Abs log F 0-2. Light source: tungsten lamp. Indicator: LED. ISO 13485, CE, FDA certificates or equivalent.</p>	<p>7 Benchtop colorimeter</p>
<p>arranty: 1 year. Installation: Successful Installation at the Laboratory training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1 Each</p>	<p>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.</p>	<p>8 Dry Oven</p>
<p>arranty: 1 year Installation: Successful Installation at the laboratory training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1 Each</p>	<p>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.</p>	<p>9 Hot Plate with Magnetic Stirrers</p>

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QCL Lab-Team

QCL Lab-Team

	<p>Warranty: 1 year Installation: Successful Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>		1 Each	<p>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</p>
	<p>Warranty: 1 year Installation: Successful Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>		1 Each	<p>CaCO₃ 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</p>
10			Total Number of Device	

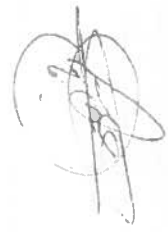
<p>rine, mg/L, 240 V, 50/60 ent.</p>	<p>Chlorin Analyzer</p>	<p>10</p>
<p>g/L, Mg ed) water, 100-240 V equivalent.</p>	<p>Drinking water hardness test</p>	<p>1</p>

Food and Water Toxicology Department

وراثی، نصب و تربیت	مقدار	واحد	مشخصات فنی	نام دستگاه	شماره
<p>Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site Comprehensive training for minimum of two scientific personnel creating the system</p>	<p>1</p> <p>Each</p>	<p>Detector: Flame ionization detector (FID). Oven: single airless oven. Oven temperature range: RT to 350°C Accuracy: ± 0.02 °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. Electronic control of pressure and flow Measuring response: Sensitivity: $\pm 0.5\%$ of span Linearity: $\pm 0.5\%$ of span Repeatability: 1.1% Sampling and valves: Diaphragm valves, diaphragm piston valves, sliding vane rotary valves, slider valves, or liquid injection valve Auto sampler for liquid injection Inlet 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%</p>	<p>GC</p>		

تیمت مجموعی	تیمت فی واحد

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QCI Lab - Team

					Hydrogen compressed gas cylinder, purity 99.9999% 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 format 200 x 200, 290 x 109 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 Filter 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) Package Correction: Deuterium; Wavelength range: 185-990 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; Autom Calibration; PC Interface; USB; Calibration Certificate calibration weight set; Operating Temperature Range: 0°C; Power supply: AC 100-240 V , 50/60 Hz; ISO 13485, CE, FDA certificates or equivalent.

<p>age and FDA</p>		
<p>0 TLC plates mm. in the n TLC able for all er Paper: III iquid. Micro (TLC 3000 ent.</p>	<p>Thin Layer Chromatography (TLC)</p>	1
<p>er bath re SIOsens, round mm. Optical cision : ted for this ply: AC 10b or equivalent</p>	<p>Visible Absorption Spectrophotometer</p>	1
<p>Tare Range: atic Internal te with e: 10⁰ to 40 85, CE.</p>	<p>Analytical Balance</p>	1

<p>arranty: 1 year. Installation: Successful Installation at the laboratory training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>Each</p>	<p>Maximum number of samples per test: 6. Temperature precision °C: ± 0.5. 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.</p>	<p>Soxhlet Extractor</p>	<p>5</p>
<p>arranty: 1 year. Installation: Successful Installation at the laboratory training: on-site comprehensive training for a minimum of two scientific personnel operating the system.</p>	<p>1</p>	<p>Each</p>	<p>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 °C. Temperature accuracy bath: ±1. Overheat protection bath, cut-off at 5 °C over set temperature via 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. 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.</p>	<p>Vacuum Rotary Evaporator (it includes vacuum pump and water chiller)</p>	<p>6</p>
<p>arranty: 1 year. Installation: Successful Installation at the laboratory training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>Each</p>	<p>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. Robot 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.</p>	<p>Hot Plate with Magnetic Stirrers</p>	<p>7</p>
<p>arranty: 1 year. Installation: Successful Installation at the laboratory training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>Water Bath</p>	<p>8</p>

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W In In In Tr con a se ep				


OCL Lab - Team

		<p>Warranty: 1 years. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>External dimension (mm): 524x1067x574. Inner dimension (mm): 483x853x560. Dehumidification H2O electrolysis discharge by solid polymer electrode dehumidification 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.</p>
		<p>Warranty: 1 years. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>TLC Plate Cutter size: 200x200 mm. Drying Rack TLC 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 10 x 200 mm TLC plates. Desiccator Opener: This opener should be suitable for all sizes of desiccators. Thin Chromatography Filter Paper: Capillary Dispensing Pipettes: The pipettes should be automatically withdrawn dipped into the sample liquid. Micro Capillary accuracy should be better than 1%. Power Supply: 230 V, 50/60 Hz. ISO 13485. CE, FDA certificate equivalent.</p>




<p>in system: tolytic When : 10 to RH.</p>	Digital Dry Desiccator	23
<p>ance ape re and 100- s or</p>		
<p>: 10 and 200 cal ves 200</p>		
<p>Layer ener on they se Thin 00- or</p>	Thin Layer Chromatography (TLC)	24

<p>arranty: 1 year Installation: Successful Training: on-site Comprehensive training for minimum of two on-site personnel operating the system</p>	1	Each	<p>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.</p>	Digital Controlled Centrifuge	9
<p>arranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site Comprehensive training for minimum of two on-site personnel operating the system</p>	1	Each	<p>Temperature range: -12 to 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.</p>	Freezer	10
<p>arranty: 1 year Installation: Successful Installation at the laboratory Training: on-site Comprehensive training for minimum of two on-site personnel operating the system</p>	1	Each	<p>Height: 63 in. Depth With Door Open 90 Degree: 57.0 in. Depth: 37 in. Capacity: 17. Cabinet Width: 28.0 in. Refrigerator Volume: 13.66 cu. ft. Door Style: Control. 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-Store Bin, Humidity-Controlled Crispers. Power Supply: 100-230 V, 50-60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>	Refrigerator	11
<p>arranty: 1 year Installation: Successful Installation at the laboratory Training: on-site Comprehensive training for minimum of two on-site personnel operating the system</p>	1	Each	<p>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.</p>	Bench top PH meter	12

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OCI Lab Team

		<p>Warranty: 1 year. Installation: Successful Installation in the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Each</p> <p>Temperature range : 50-300 °C, Chamber volumes stainless. Power supply: AC 100-240 V , 50,60 Hz CE, FDA certificates or equivalent.</p> <p>Light Source: Quartz-halogen lamp 6V/10W, Wave Absorbance 230-750 nm-, Accuracy : 1nm Fluorescence – 850 nm, Em 280 – 850 nm Accuracy : ± 2nm, Position filter wheel, the instrument is delivered with following standard filters installed: 105nm, 450nm, 650nm, Resolution: 0.001 Abs. Display: High count display (480 x 272 dots), Temperature control : Air 45°C, Calibration plate: 96-well calibration plate not calibrated for the wavelength (e.g., 650 nm, 650 nm nm). Calibration : Calibration certificate from ISO 1 accredited laboratory, ELISA Microplate Washer slot automatic plate washer With TFD specifications, CE Washing of 96 well microplates and strips, with flat "V" bottom well, handle With non-pressurized bon biosafety Wash, rinse and waste (volume 1-6 L), R&D volume: ~ 2 gal. Dispensing volume: 50-400 µl for 96 Data Transfer: USB Port Number of wash protocols: 15 Power Supply: 100-230 V, 50/60 Hz ISO 13485, CE certificates or equivalent.</p>
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<p>100 L. walls: ISO 13485.</p>	<p>Dry Oven</p>	<p>13</p>
<p>length: ence FS 230 ters: 8- th the , 620mm and ast color bent 5°C to ust be 1.420 mm; 450 7025; NABL ould be Fully ppability: round, or e to maintain sidual 6 well plate; up to 99. FE, F10A</p>	<p>ELLS A Radio with Plate Wash</p>	<p>14</p>



<p>With one (1) year. Installation successful from the laboratory completeness of piping for a minimum of two weeks without operational system</p>	<p>1 Each</p>	<p>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 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 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 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 Balance: 99%, 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.</p>	<p>Biosafety Cabinet class 2 Type B1</p>	<p>15</p>
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OCL Lab - Teum

		<p>Warranty: 1 year. Installation: Successful Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Each</p> <p>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. 1.4 (40Wx1.2 work surface height: 900mm Noise level: 68dB Exhaust duct: PVC, standard length: 4.3 meters. 360m preposed units should be work in electricity voltage a frequency of 220v - 230v. 50/60Hz. ISO 13485, CE, certificates or equivalent.</p>
Total Number of Device				

40x3 h. rolled steel sheet material type: L110	Fume hood	16
8 dB. mm. The and FDA		

Food and Water Accessorie and Kits

واحد	دپارتمنت	مقدار	مشخصات تخنیکي	نام دستگاد	تعداد
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	3
rolls	All Dep	2	Percentage Purity: 99%. Thickness: 0.3mm. Temper: Hard. Length: 7m. Width: 0.30m . Technical Name. or equivalent.	Aluminium foil	3
pair	All Dep	2	made of polychloroprene, approx. 31 cm long, anatomical shape with good gpreability, sanitised, cotton lined, patterned for a non-slip grip, cotton floked, 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

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QCI-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 G.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.

Size	Loggias	5
Material:	Manual Pipette Filler	6
Material:	Weighing Boat	7
Material:	Weighing Boat	8
Material:	Scoopula (Metal Scoop)	9
Material:	Force	10
Material:	Wash Bottle	11
Material:	Wash Bottle	12
Material:	Brush for round bottom flask	13
Material:	Vial brush (Vikam Hand Brush)	14
Material:	Micropipette tips	15

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box (100 pcs)	All Dep	4	Volume Range: 50-1000 µl. Length: 70 mm. The tip should be graduated at 250 µl, 500 µl and 1000 µl for quick volume check Color: blue or equivalent.	16	Micropepette tips
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, () 12 x 50 mm or equivalent	17	Magnetic stirrer bar set
pack 100 pcs	All Dep	2	No: 41. Material: Circles cotton filters. Parameter: 0.22 psi wet burst 54 sec/100 mL speed. Diam: 125 mm, thickness: 220 µm. Pore size: 20-25 µm or equivalent.	18	Whatman Filter paper
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.	19	Whatman Filter paper
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.	20	Buffer solution
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.	21	Buffer solution
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.	22	Buffer solution
pcs	All Dep	2	Length (Metric): 200 mm. Material: Stainless Steel. Tip Style: Sharp/Round or equivalent.	23	Laboratory Scissors
184			Total Number of Items		

Medicine Department Accessorice and Kits

نوع تجهیز	نوع في واحد	واحد	تخصصات	مقدار	ملاحظات فني
		واحد	Physicist-Chemistry; Microbiology; Water- Chemistry; Toxicology	3	Capacity: 250 ml; Holder: 1 cm type; Plastic Stuff; for equi-vent
		Each	Physicist-Chemistry; Microbiology; Water- Chemistry; Toxicology	3	Height: 8.5in (216mm); Inlet: 4.1 (7.9mm) OD serrated gas; 10.2in (260mm) unit for use with an exhaust; 10.5 forms uniform blue haze; 6.6in wide brush; with one-piece (10.6in) plated venturi; 1.5in (38mm) dia; with with metal grid and mesh; locking adjustment valve; an octagonal equivalent.
		rolls	Physicist-Chemistry; Microbiology; Water- Chemistry; Toxicology	7	Percentage Purity: 99%; Inlet: 1 1.5in; Hard Length: 7.5in; Aclab Technical Name: Alumina or equivalent.
		rolls	Physicist-Chemistry; Microbiology; Water- Chemistry; Toxicology	7	width: 5 cm; length: 75 m; 11.4in dia; Liquid impermeable; gas- permeable; Temperature range: -10 °C or equivalent.
		rolls	Physicist-Chemistry; Microbiology; Water- Chemistry; Toxicology	7	width: 10 cm; length: 75 m; 11.4in dia; Liquid impermeable; gas- permeable; Temperature range: -10 °C or equivalent.

	سیتا سٹریٹ	شماره ۱
Alcohol Burner	Alcohol Burner	1
Gas Burner	Gas Burner	2
Aluminum foil	Aluminum foil	3
Parafilm tape	Parafilm tape	4
Parafilm tape	Parafilm tape	5

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pair	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	made of polychloroprene, approx. 31 cm long, anatomical shape with good gripability, sunnised, 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	9
pair	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Version: 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): 100 ± 4g, Size: 12 inch or equivalent	Flair net	10

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QCL-Lab Team

Knitting machine	1 laboratory safety shoes	11
100mm diameter, 40-50 pairs		
Vertical hammer (Approx. 3 equivalent)	1 gavel	12
and penetrant and all of ISO 3059	1 No. Penetration samples	13
Single test block, stainless steel equivalent	1 set Tube Bottle Cleaning Brushes	14
variety of diameter, 85 items	Mortar and Pestle	15

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Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Capacity: 150 ml. Ideal for a wide variety of grinding application in the Lab. Diameter: 85 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 unit 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: 10 to 8 pipettes or equivalent	Color Acrylic Pipette Stand	18
each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Volume: 2-25 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.	Manual 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

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QCL-Lab Team

	Each	Physic-Chemistry & Toxicology	2	Door Type: Manual Self-Close: 15 gal Dimension: W= D=157mm; H=1651mm; Shelves: 2 equivalent				
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	21	Length: 157 mm width: 20 mm w spoon 23 mm spoon capacity: 2.5 equivalent				
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Material: Stainless Steel, Diameter (Outer): 6 mm Width (Outer): 10 mm Dimension: L x W: 100 x 10 mm equivalent				
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Color: Green Dimension (WxDxH): 10 x 6 x 7.5 cm or equivalent				
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Each 10 mm pieces (4) Pieces: L x W: 248 x 6 x 6 mm or equivalent				
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	1 kg: Material: Stainless Steel (Type: 304) Dimension: Length: 15 cm Top: Support Disk diameter: 11 cm Series: FS-1116 X15cm/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 bearings plastic coated for a sure grip. Maximum jaw opening: (180mm) at (218mm) or equivalent.				

1092mm. of	Flammable Liquid Storage Cabinet	1
Width of	Spatula	1
Medical of	Small Spoons, Spoon	3
2.25 x	High Stool	2
All	First Aid Kit	1
Support on Mesh over on	Lab Bench Fridge with Screen	2
Volume	Flexible Tongs	2
Weight and length	Beaker Tongs	2

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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 burettes from 10 to 100 ml. square clamping mechanism. insert burets. release to hold securely. made of aluminum with white enamel finish. attaches to support rods up to 17 mm diameter. or equivalent.	Double Buret 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

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QC-Lab Team

	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	material: ceramic, can withst temperatures, or equivalent
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	11	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: 40 mm, height: 40mm. Thermal procedure and placed inside for or equivalent.
	pair	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	-	Heat Resistant: 200°C. Max Sp. equivalent.
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	1	Size: 6x6 Inch. Shape: square 3 cm. Material: Aluminum or
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	20	Size: 80x80x100 mm. Material: White P.S. or equivalent.
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	50	Size: Medium. Color: White. Material: P.S. or equivalent.
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	-	Shape: Pointed end, blunt end. Material: 15 cm. Material: Same equivalent.

pack (15 pcs)	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	2	Dimension (LxWxH (mm): 127.71 x 85.43 x 14.10 columns; rows: 12.8. Bottom: round. or equivalent.	96 wsf/plate	15
pack (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: -10-100°C. Division: $\leq 2^\circ$. 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 (1.0) mm. Material: stainless steel or equivalent	Rule	18
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Dimensions: 196x127x11 mm. Material: Polystyrene	Polystyrene Stirring Rods	19
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Use: For viscous liquids and liquids. Materials: Acetone, 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 Squeeze Cap - 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

	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: F.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, Nickelromium 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, Color: professional Portable Drink Beverage Dispenser or equivalent
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Material: High Density Polyethylene, Capacity: Metric: 20 L, Diameter: N/A, Height: 365 x 165 x 485 mm or equivalent
	Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	For filter paper dia (mm): 125- plastic or equivalent.
	pcs	All Dep	7	flexing protection hand wavelet protection hand waveband or equivalent

365mm al-Elsh	Irregular file	51
cap with - For cap with lens	MILLIP- FUNCTIONAL VIAL OPTIMR	55
Hand-in once opened of equivalent	Push-Yod Pop Magnetic Baric Opener	56
small Blade act of equivalent	Stainless Steel Abrasive (300 Sawyer	57
in open rest of co ivalent	Carosone	58
ylene gions of A A equivalent	Wide Neck Irrigat caps Th colored connector	59
150-100mm	Hand with interm 150	60
and Hecuge equivalent	Leaning protection hand waveband	61

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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	62
set/2	All Dep	7	Hand nylon brushes on twisted G.I. wire, head 140 x 95 mm, overall length 160 mm or equivalent	Brush for round bottom flask	63
PCS	All Dep	7	Probe: Dimensions: 15 x 0.75in (330 x 19mm) LW or equivalent	Laboratory Brush w/	64
PCS	All Dep	7	Wet/dry dip, 4.5mm soft bristles, 6.5 x 120 x 6.5mm Max 30 x or equivalent	Vial brush (Viduan Hand Brush)	65
col	All Dep	7	Backlog, impregnated white paper Adhesive: Dry natural rubber and resins Length: 50in W: 4in, 1.9mm Total thickness 0.1350m Tensile strength: 85 N, 25 mm Adhesion to steel: 7 N, 25 mm Elongation: 5% Sterilization conditions: 15 min, 121°C - 10 min, 111°C Indicator colors: Light green to medium-dark green Expiration: 30 months or equivalent	Striker indicator tip	66
Box (100 pcs)	All Dep	7	Volume Range: 0.5-20 µl Length: 46 mm The tip should be graduated at 2 µl and 10 µl for quick volume check Color: gray or equivalent.	Micropipette tips	67

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QC1-Ab Team

	box (100 pcs)	All Dep	7	Volume Range: 50-1000 µl The filter 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 drain holes: 3 diameter. Distance between top and plates: 10.5cm. Sterile autoclavable or equivalent.
	pcs	Microbiology & Toxicology	3	Volume Range: 0.5 to 500 µl Adjustable Channels: 8 or equivalent
	set	All Dep	7	Included in box: 1 bar (inner set of 10) (Cylindrical bars: 6) 3 x 12 mm, (1) 4 mm, (1) 6 x 20 mm, (1) 6 x 25 mm, (1) 8 x 40 mm, (1) 8 x 50 mm, (1) 8 x 70 mm, (1) 10 x 80 mm cylindrical with ring, (1) 5 x 15 mm cylindrical, (1) 8 x 40 mm, triangular, (1) 5 x (1) 12 x 50 mm or equivalent
	pack/100 pcs	All Dep	7	Note: 1. Material: Circles carbon for gas Parameter: 0.22 psi wet burst strength speed, diam: 125 mm thickness: 2.5 Pore size: 11 µm or equivalent

20 mm 1.500 gr 3.000 gr	Altopapate tips	68
20mm Bottom 1.121 gr	Pemmanan 1 gr	69
20mm 1.515 1.533 1.560	Microspore media channel	70
20 x 25 1.540 gr	Altopapate tips	71
20 x 25 1.540 gr	Altopapate tips	72

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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: 30-35 µm or equivalent.	Whatman (other 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 (other paper)	74
pack/100 pcs	All Dep	7	Pore size: 0.45 µm, Material: Mixed cellulose esters, Diameter: 47 mm or equivalent.	Membrane (other paper)	75
pack/100 pcs	All Dep	7	Pore size: 0.45 µm, Material: Nylon Diameter: 30 mm or equivalent.	Syringe filter (Nylon)	76
pcs	Toxicology and Physico- chemistry	7	Material: Stainless Steel, Styl: Mesh Size: 18 mesh test sieves, Diameter: 70mm, Height: 60mm or equivalent.	Plastic Removable	77
pcs	All Dep	7	Measurement ranges: 0 to 100% r.h., 30 to 100 °C, Resolution: 0.01% r.h., 0.1 °C, Accuracy: ±2.0% r.h. at 25 °C, ±0.5 °C at 25 °C, Display: dual LCD or equivalent.	Digital Hygrometers	78





QCL-Lab Team

	Each			7	Display: Digital LCD Digits 12.1 Power: Dimensions (L x W x H): 8 x 140 mm; 150 Steps Check; Plat Battery: 1x LR11 With Remote Review go to function, correct 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 Q25 (1 x 11.75) Grade C reference material (10 ml) by 1 each Format: Mixtur storage temp: 15 equivalent.
	Bottle (500ml)	All Dep		7	PIE 7.0 Q25 (1 x 11.75) Grade C reference material (10 ml) by 1 each Format: Mixtur storage temp: 15 equivalent.
	Bottle (500ml)	All Dep		7	PIE 10.0 Q25 (1 x 11.75) Grade C reference material (10 ml) by 1 each Format: Mixtur storage temp: 15 equivalent.
	pes	All Dep		7	Length: 100 mm; Material: Steel; Tip Style: Sharp/Round or

Two Way 30.1 N 123 Electronic Keys & Auto Leveler	Control Room	79
Gravimetric Analytical Balance Hydrogen Water	Control Room	80
Gravimetric Analytical Balance Hydrogen Water	Control Room	81
Gravimetric Analytical Balance Hydrogen Water	Control Room	82
Gravimetric Analytical Balance Hydrogen Water	Control Room	83
Stainless Steel Laboratory Scissors	Control Room	84

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roll	All Dep	7	Range: 1-14, Pack Size: 5m x 5m Roll or equivalent	PH Indicator papers	85
box/set	All Dep	1	Path length mm: 10, Type: Macro with Ind range at 440nm, 465nm, 516nm, 590nm and 635nm wavelengths. Wavelength in the UV and visible range at 279,3nm, 300,9nm, 353,5nm, 536,5nm and 637,6nm or equivalent.	Spectrophotometer Calibration Standards	86
box (4 pcs)	All Dep	1	Polished Window: 2, Capacity: 1.5ml, Outside Dim. (mm): 45 x 17.3 x 3.5, Plate Length (mm): 10, Inside Width (mm): 10 or equivalent.	Standard UV cuvette with lid	87
pcs	All Dep	7	Plate size: 80x75 mm, Max. Sample load capacity: 30 kg, Working height: 10.117 mm, Color: blue or equivalent.	Jacks Box	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



<p>Serial RS-485 20m Speed 115200 8N1 115200</p>	Label printer	02
<p>Barcode 1D 128</p>	Barcode printer	03
<p>Barcode 1D 128</p>	Barcode printer	04

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 C x D): 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: 2.50 bar or equivalent.	CO2 fire extinguisher	97
each	All Dep	1	Washing Capacity (kg): 18, Drying Capacity (kg): 11, Door: Front 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

3

QCI-Lab Team

Medicine Division

Physicochemical Department

قیمت مجموعی	قیمت فی واحد	وراثتی، نصب و تربیتنگ	مقدار	واحد	مشخصات فنیگی
		<p>Warranty: 1 years. Installation: Site-visit Installation at the Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>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: more than 60 MPa. Pump Mode: gradient system isocratic mode. Column (Oven: Thermostat system 12 C) The system must have an in-built degasser. Clear and easy and methods for purging must be available. The tools required for purging must be provided along with the system. The system must be able to operate with the tools provided. Appropriate for maintenance must be provided. It is preferable to have leak detector 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 to 100 microliters. The autosampler must be 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 autosampler must be able to hold vials (approximately 1.5 ml, with seal and septa that are interchangeable with standard HPLC vials) provided by other vendors. Columns: Standard and surrogate column with guard column according to the HPLC system software system controlling all the aspects of the HPLC system mentioned above must be provided (original disk or Drive</p>




<p>1 year. Successful on at the Training: on- prehensive or a minimum personnel the system</p>		<p>(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 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. It 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.</p>	
	Each	<p>Beam Splitter : Multilayer Coated 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 : 0.85/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.</p>	<p>FTIR Spectrophotometer 2</p>

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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	2	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. 1 supply: AC 100-240 V , 50/60 Hz. ISO 13485. CE, certificates or equivalent.
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<p>1 year. Successful completion at the end of training, on-going for a minimum of 1 year.</p>	<p>1</p>	<p>Each</p>	<p>Basket: autobasket type A and type B Temperature: 15-50 °C. Screen: touch screen. Lift drive: step motor. Speed: 30 +/- Height of stroke: mm); 55 +/- 2. Heating: Integrated flow through heating system. Temperature control: External PT 100 temperature sensor. Automatic determination of the disintegration time: Autobasket type A (6 test tubes) or Autobasket Type B (3 test tubes plus discs). Power Supply: AC 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>	<p>Automated disintegration tester</p>	<p>4</p>
<p>1 year. Successful completion at the end of training, on-going for a minimum of 1 year.</p>	<p>1</p>	<p>Each</p>	<p>Test-stations: 14 in two row. Vessel capacity: 1000 ml. Low-head and high-head operations. Evaporation: Less than 1 % (50 rpm / 1000 ml / 37° C / 24 h). Heating range: 30-50° C. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>	<p>Dissolution tester</p>	<p>5</p>
<p>1 year. Successful completion at the end of training, on-going for a minimum of 1 year.</p>	<p>1</p>	<p>Each</p>	<p>Instrument Operation: Touch foil keypad. Rotation speed: 20 - 100 +/- 1rpm. Total run timer: Infinitely adjustable up to 9 h., 59 min., 59 sec. +/- 0,1. Revolution counter: Infinitely adjustable up to 9999. Displays: LE. Test drums: 2 (TAR 220). Automatic removal of tablets. Voltage: 100 - 240 V / 50 - 60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>	<p>Friability tester</p>	<p>6</p>

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QCL Lab Team

	<p>Warranty: 1 years. Installation: Successful Installation at the laboratory. Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Air velocity: 0.3-0.8 m/s. System exhaust volume: 1140m³/h. Max opening: 750 mm. Exterior material: min cold-rolled steel with bacteria powder coating. Interior material: compact material board with good a and alkaliresistance function. Lamp: LED (40Wx1). surface hight: 900mm. Noise level≤68 dB. Exhaust d PVC standard length: 4.3 meters 300mm. The propo units should be work in electricly voltage and freque of 220V - 230V, 50/60Hz. ISO 13485, CE, FDA certificates or equivalent.</p>
	<p>Warranty: 1 years. Installation: Successful Installation at the laboratory. Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>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 equivalent.</p>
	<p>Warranty: 1 years. Installation: Successful Installation at the laboratory. Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Measuring range: 0.0001g-250g. Readability: 0.1mg. Range: Full. Linearity: 0.2m%. Response Time: 3 sec. Automatic Internal Calibration. PC Interface: USB. Calibration Certificate with calibration weight set. Operating Temperature Range: 10° to 40 °C. Power sup AC 100-240 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>

1	work hood	7
2	Benchtop pH meter	8
3	Analytical Balance	9



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1 year. Successful at the Training; on- the job for a minimum personnel 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.	Drying Oven	10
1 year. Successful at the Training; on- the job for a minimum personnel the 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. ISO 13485, CE, FDA certificates or equivalent.	Ultra Sonic Bath	11
1 year. Successful at the Training; on- the job for 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 (Approx. emitting 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 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

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


 CCL Lab Team



		<p>Warranty: 1 years. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>RPM range: 50-5000 RPM. Increment range: 5 RPM. 11 facility: 1 min to 15 min or beyond. Rotor capacity: 12.600 G - 15 ml). Rotor type: fixed angle rotor. Power Supply 230 volt, 50/60 Hz. ISO 13485, CE, FDA certificates of equivalent. Complete Programmable catch parameters</p>
		<p>Warranty: 1 years. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Batch	<p>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: 50°C to 180 °C (by 1°C increments) Dimensions & weight: W220xH15xH190 (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- V , 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>

Order Number 100	Digital Control Centrifuge	13
Step 11	Electronic moisture balance	11
Step 11 240		

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<p>Warranty: 1 year. Installation: Successful ation at the atory Training, on- prehensive g for a minimum The personnel ng the system</p>	<p>1</p>	<p>Each</p>	<p>Range: Conductivity: 0 μS/cm - 2000 μS/cm; TDS: 0 - 2000 μg/L or ppt; Temperature: 0 - 100 $^{\circ}$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 $^{\circ}$C. Accuracy: Conductivity: \pm1% full-scale; TDS: \pm1% full-scale; Temperature: \pm 0.5 $^{\circ}$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.</p>	<p>Bench top Conductivity & TDS Meters</p>	<p>15</p>
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QCI-Lab Team

		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>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 emp Microprocessor controlled unit with digital easy to read display of the results. Ignition: Electric ignition and should also provide an automatic re-ignition 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 intelligence 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.</p>
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>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.</p>

OCL Lab Team




İh aric id he)	Melting Point apparatus	15
01	Viscosimeter	17

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<p>years. Successful at the training: on- ensive a minimum sonnel system</p>	<p>2</p>	<p>Each</p>	<p>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.</p>	<p>Hot plate with Magnetic stirrer</p>	<p>18</p>
<p>years. Successful at the training: on- ensive a minimum sonnel system</p>	<p>1</p>	<p>Each</p>	<p>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 mm / 546 mm / 136 mm / 405 mm, 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.</p>	<p>Automated digital polarimeter</p>	<p>19</p>

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QCL-Lab Team

		<p>Warranty: 1 year; Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Speed range: 30-400rpm, Heavy duty maximum torque Power Supply: 100-230 V, 50/60 Hz, ISO 13485, FDA certificates or equivalent.</p>
		<p>Warranty: 1 year; Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>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: about sec. (90 % @ 25 °C air temp.) Power Supply: AC 100 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent</p>
		<p>Warranty: 1 year; Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Measuring range: 0-3g/cm³; temperature range: 0-100 °C; Pressure range: 0 to 10 bar; Density accuracy: ±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</p>

and 6kg. CE.	Orbital Laboratory Shaker	20
6 r/h at about 10 -230 V valent.	Hygro meter	21
±0.98 ±0.0001 ±1.5 35. C.F.	Density meter	22

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<p>1 year. Successful completion at the end of training; on-going training; on-going training for a minimum of 1 year. Successful completion at the end of training; on-going training; on-going training for a minimum of 1 year.</p>	<p>1</p>	<p>Each</p>	<p>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/thermistor elements, humidity/resistance type 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</p>	<p>Digital Dry Desiccator</p>	<p>23</p>
<p>1 year. Successful completion at the end of training; on-going training; on-going training for a minimum of 1 year. Successful completion at the end of training; on-going training; on-going training for a minimum of 1 year.</p>	<p>1</p>	<p>Each</p>	<p>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. Thin Layer Chromatography Filter Paper Capillary Dispenser. 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.</p>	<p>Thin Layer Chromatography (TLC)</p>	<p>24</p>

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QCL-Lab Team

		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Temperature range: 12 - 24 C. Capacity Range: 22 cubic feet. Door Swing: Left Hinge. Double-Swing Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>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 Swing: outward. Handle Material: Plastic. Location of Controls: External. Top Front. Delfi Drawer: 1. Flexi-Slide Bin. Door Bin: 2. Fixed Full-Width. Lighting: LED. Features: LED Lighting, EZ Connect Lemaker Kit Compatible, Flexi-Slide Bin, Humidity-controlled Crisps. ISO 13485, CE, FDA certificates or equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Speed Range: 200 to 5000 rpm. Material: Rubber. Platform. Dimensions (L x W x H): 8.1 x 5.9 x 2.0 (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.</p>

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

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<p>1 year. Successful on. Successful on at the y training, on- prehensive for a minimum personnel g the system</p>	1	Each	<p>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.</p>	Heating Mantle	28
<p>1 year. Successful on at the y training, on- prehensive for a minimum personnel g the system</p>	1	Each	<p>Max. flow rate: 20 l/min. Capacity: 300 ml / 1000 ml. Filter diameter: 3 mm / 50 mm. Effective filtration area: 13.1 cm². Filter: funnel, P/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.</p>	Vacuum Filtration System	29
<p>1 year. Successful on at the y training, on- prehensive for a minimum personnel g the system</p>	1	Each	<p>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.</p>	Digital Vernier Caliper	30

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QCL-Lab Team

	<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Each</p> <p>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-Line). Wavelength: 589 nm, Scale: Refractive Index & Brix. Measurement Range: Refractive Index (n_D): 1.3000 to 1.7000 Brix: 0.00 to 95.00% (2.1 75 °C ATC). Measurement Accuracy: Refractive Index: (n_D): 0.0004 Brix: 0.03%. Temperature control range: to 75.0 °C. Calibration standards: (calibration block, 1.3 and control solution (1-Bromonaphthalene) and any other standard solutions. Power Supply: 100-230 V, 50/60 Hz ISO 13485, CE, FDA certificates or equivalent.</p>
	<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Each</p> <p>Temperature Range: 5 to 40°C. Humidity: 0 to 80% relative humidity. Viscosity Limit: < 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: 100-2 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent</p>

<p>5.10 No fer iz.</p>	<p>Digital Refractometer</p>	<p>11</p>
<p>30 to ent.</p>	<p>Liquid Particle Counter</p>	<p>12</p>

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		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Maximum number of samples per test: 6. Temperature precision °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.</p>
		<p>Warranty: 1 year Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Volume: 20 Lit. 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.</p>
		<p>Warranty: 1 year Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Capacity: 10 Lit. (operating temperature: 0 to 40°C) Accuracy: ± 0.1 °C. Resolution: ± 0.1 °C. The proposed units should be work in electricity voltage and frequency of 220v - 230v, 50/60Hz. ISO 13485, CE, FDA certificates or equivalent.</p>

QCL-Lab Team 



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2)	Soxhlet Extractor	36
3) V.	Apparatus	
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ney	Water Bath	37
ney	Ice Bath	38

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Application: acid-base titration, redox, precipitation,
complexation, dead-stop, Karl Fischer moisture method
of determination: potentiometric, dead-stop and Karl
Fischer ISO 15485, CE, FDA certificates or equivalent.

Automatic Titrator

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QCI-Lab Team

		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Max Irradiance: 250 mW/cm². 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. (i.e. FDA certificates or equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Measurement range: 3 - 500 N (±1 N). Measurement range: Diameter: Length (2 - 23mm (±0.05mm)), 2 - 28mm (±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: Feeding 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. (i.e. FDA certificates or equivalent.</p>
			44	Total Number of Devices	

85	mm IV Çanakkale	40
mm A	Autonysal Hükümet Hardness Testleri	41

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Microbiology Department

ذرائعی، نصب و ترقیب	مقدار	واحد	مشخصات فنی	نام دستگاه	شماره
<p>Quantity: 1 year. Location: Successful Location at the Laboratory Training: on- comprehensive training for a minimum of sufficient personnel training the system</p>	1	Each	<p>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.</p>	Vertical Laminar Flow Bench	1
<p>Quantity: 1 year. Location: Successful Location at the Laboratory Training: on- comprehensive training for a minimum of sufficient personnel training the system</p>	1	Each	<p>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, CE, FDA certificates or equivalent.</p>	Analytical Balance	2



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QCL-Lab Team

<p>y: 1 year. ion: Successful ion at the y. Training: on- prehensive for a minimum e personnel g the system</p>	<p>2 Inch</p>	<p>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.</p>	<p>Incubator</p>	<p>3</p>
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QCL-Lab Team

		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two</p>	1	Each	<p>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 (J/V Lamin will be cut "OFF" And while closing the door (J/V Lamin 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. Fittings 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</p>
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<p>1 year. on: Successful on at the y training; on- rehensive or a minimum personnel the system</p>		<p>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.</p>	
	<p>1 Each</p>	<p>Chamber: Vertical loading type chamber with service basket. Chamber size: 80 -120 L. Gauge: 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 time pressure 15-20 °C. Timer: Auto on the start and stop timer. Must have safety warning alarm. Must have Nussery accessories. Must be with calibration certification ISO 13485, CE, FDA certificates or equivalent.</p>	<p>Vertical Autoclave</p>

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QCL-Lab Team

		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Speed Range: 50 rpm to 2000 rpm. Stirring Capacity temperature range: 80-380 °C. Maximum load: 15 to 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. ISO 13485, CE. certificates or equivalent.</p>
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<p>1 year. Successful at the Training, on- the-job at a minimum personnel the system</p>		<p>1 Each</p>	<p>Head: Binocular. 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 LED life of more than 10,000 Hrs. Objective: Parfocal, anti-fungal 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.</p>	<p>Digital Microscope with PC station</p>
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		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Each</p> <p>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 vacuum pump. Vacuum pump: Suitable oil free vacuum pump the system. Accessories: Catalyst/gas pouch starter Anaerobe indicator tablets. Lid, complete with elastomer screw, O-rings. Power supply: 100-230 V, 50/60 Hz 13485, CE, FDA certificates or equivalent</p>
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>Each</p> <p>Capacity: 5 L with easy cleaning facility. Material of construction: Body should be compact, durable, heavy and made of stainless steel /heavy duty plastic. It should be compatible with all disinfectant solutions concentration. It should be compatible with maximum 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 13485, CE, FDA certificates or equivalent.</p>



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<p>of ak proof ite li s usual um pH d be of ISO</p>	<p>Fumigator</p>	<p>9</p>

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year. Successful at the training; on- tensive a minimum personnel 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 personnel e 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	11
year. Successful at the training; on- tensive a minimum personnel e system	1	Each	Material of construction: Full Stainless-steel fabricated body with duty 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. (Hare 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
		Warranty: 1 Installation Installation laboratory T site complete training for of two scientific per operating th




QCL-Lab Team

	<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Temperature range: -12--24°C Capacity Range: 100-2500 cubic feet. Door Swing: Left Hinge. Double-Swing Power Supply: 100-230 V, 50/60 Hz. ISO 13485 FDA certificates or equivalent.</p>
	<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Height: 68 in. Depth With Door Open 90 Degree: 31 in. Capacity: 17. Cabinet Width: 28.0 in. Refrigerator Volume: 13.66 cu ft. Door Style: Con- Handle Material: Plastic. Location of Controls: In- Up From. Delfi Drawer: 1 Flexi Slide Bin. Door Bin Fixed Full-Width. Lighting: LED. Features: LED Lighting. EZ Connect Ice Maker Kit (Compatible). Slide Bin. Humidity-Controlled Crispers. ISO 13485 FDA certificates or equivalent.</p>
	<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>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 min Continuous. Power Supply: 100-230 V, 50/60 Hz. ISO 13485. FDA certificates or equivalent.</p>

201 C1.	Freezer (-20)	13
500 TL Mikro buzdolabı 1000 litre	Refrigerator	14
1000 TL Buzdolabı 800 lit		
1000 TL Buzdolabı 1000 lit	Digital vortex mixer	15
1000 TL Buzdolabı 1000 lit		

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<p>1 year. Successful at the Training; on- shensive r a minimum personnel he system</p>	<p>1</p>	<p>Each</p>	<p>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 of equivalent. Complete Programmable each parameters</p>	<p>Digital Control Centre Fuse</p>	<p>16</p>
<p>1 year. Successful at the Training; on- shensive r a minimum personnel he system</p>	<p>1</p>	<p>Each</p>	<p>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 53mm 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 of equivalent.</p>	<p>Howard Mold Counter</p>	<p>17</p>
<p>19</p>			<p>Total number of Device</p>		

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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	<p>TL.C Plate Cutter size: 200x200 mm. Drying Rack TL.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 TL.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 Capillary accuracy should be better than 1%. (TL.C 3000 Se ISO 13485, CE, FDA certificates or equivalent.</p>
		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	<p>Fully PC based Atomic Absorption Spectrophotom both flame and furnace system automatic operation. Detector: SiO sensors. Light 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.</p>




Device Name	No
<p>Three Phase Circuit Breaker (T.C)</p>	1
<p>Atanin Absorption Spectrophotometer</p>	2

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<p>Year: 1 year. Location: Successful location at the Comprehensive for a minimum of personnel using the system</p>	<p>2</p>	<p>Each</p>	<p>Measuring range: 0.0001 g-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.</p>	<p>Analytical Balance</p>	<p>5</p>
<p>Year: 1 year. Location: Successful location at the Comprehensive for a minimum of personnel using the system</p>	<p>1</p>	<p>Each</p>	<p>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 °C. Temperature accuracy bath: 1. Overheat protection bath, cut-off at 5 °C over set temperature via 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. 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.</p>	<p>Vacuum Rotary Evaporator (it included vacuum pump and water chiller)</p>	<p>4</p>

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QCL-Lab Team

		<p>Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Speed Range: 50 rpm to 2000 rpm. Stirring Capacity: temperature range: 80-380 °C. Maximum load: 15 to KG. Body Material : Polypropylene. Corrosion resistant surface and panels.A design that prevents liquid spillage from entering the instrument. Digital Output connect 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</p>
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41. 20 m	Hot Plate with Magnetic Stirrers	5
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11/30/2024

<p>Year: 1 year. Installation: Successful Commissioning: on- site. Training: on- comprehensive for a minimum of personnel operating the system</p>	1	Each	<p>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.</p>	Water Bath	6
<p>Year: 1 year Installation: Successful Commissioning: on- site. Training: on- comprehensive for a minimum of personnel operating the system</p>	1	Each	<p>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</p>	Digital Control Centrifuge	7
<p>Year: 1 year Installation: Successful Commissioning: on- site. Training: on- comprehensive for a minimum of personnel operating the system</p>	1	Each	<p>Temperature range: -12--24°C. Capacity Range: 2-4 cubic feet. Door Swing: Left Hinge, Double-Swing. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>	Freezer (-20)	8

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QCL-Lab Team

		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>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: Control 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 IceMaker Kit Compatible. Flex Slide Bin; Humidity-Controlled Crispers; Power Supp 100-230 V. 50/60 Hz. ISO 13485. CE. FDA certified equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Ph range: 0 to 14. mv. ±1099. Accuracy: ±0.02. 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 certified equivalent.</p>

0 in	Refrigerator	9
ating de ests, 100- s or	Benchtop pH meter	130

11/30/2024

<p>1 year. Successful at the Training; on- prehensive r a minimum personnel he system</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>UV-Vis Spectrophotometer</p>	<p>11</p>
<p>1 year. Successful at the Training; on- prehensive r a minimum personnel he system</p>	<p>1</p>	<p>Each</p>	<p>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</p>	<p>Drying Oven</p>	<p>12</p>
<p>Total number of device</p>					<p>14</p>

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Warranty: Installation laboratory site comp training fo of two scientific p operating		





QCL-Lab Team

Cosmetic Department

قیمت مجموعی	قیمت فی واحد	وراثتی، نصب و ترمیمکاری	مقدار	واحد	مشخصات فنی
		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	<p>Detector: PAD or DAD. Wavelength range (190nm - 800nm). The DAD detector must have a flow cell that can be easily cleaned if necessary.</p> <p>Pump: a quaternary pump system with the capability of injecting 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: $\pm 1\%$. Operating pressure: less than 60 MPa.</p> <p>Pump Mode: gradient system or isocratic mode.</p> <p>Column Oven: Thermostat system (2°C - 90°C).</p> <p>The system must have an in-built degasser, a heat 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.</p> <p>Autosampler: can inject samples into the LC system with volumes ranging from 0.1 microliters to 100 microliters. Autosampler must be capable of holding at least 100 vials and must allow for programmable automated injection of these samples into the LC system without interrupting 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 the vendors. Column: Standard and suitable column with guard column according to the HPLC system.</p> <p>A software system controlling all the aspects of the HPLC system.</p>

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 1-4 μ L/min to 2 mL/min, MS/MS transition speed: Max 555 channels / sec, DL maximum temperature: 300 C, Block heater maximum temperature: 500 C



QCL-Lab Team

	<p>Minimum pause time: 1msec. Minimum dwell time: 0.8 Interface: ESI (Standard),APCI (Option),DUIIS (Option), talk: <0.003%. Resolution: R < 0.7 FWHM. Sensitivity: positive: 1 pg/rescpine, 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.</p>			<p>Optical system: all-reflective single-beam Cf optical path length of monochromator: 350mm, oil/water proof air compressor. Blazed wave-length of gratings: 230mm. Non-grating grooves: 1800g/mm. Wave-length range: 190nm- Wavelength accuracy: ±0.1nm. Wavelength repeatability: ±0.1nm. Spectrum bandwidth: 0.1nm, 0.2nm, 0.4nm, 0.7, 1.4nm. Noise: 0.005 Abs/static; 0.020 Abs/Dynamic), 1 drift: 0.003 Abs/0.5h; best performance. Background covered lamp + self-reversal. Number of the lamps: 8. Number of lamps: software controlled: 8. Gas path safety measures: yes. Atomizer: flame atomizer. Automation: built / wave-length / gas path / ignition / burner / safety measures / monitoring. Power Supply: AC 100-230 V, 50/60Hz ISO 13485, CE, FDA certificates or equivalent.</p>
	<p>Warranty: 1 year. Installation Successful laboratory training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	

misc. Cross ESI (N2) Voltage FDA		
h. Focal length of quadrupole magn. assembly Electron beam diameter Hz	Flame Atomic Absorption Spectroscopy (FAAS)	2

11/30/2024

<p>Frequency: 1 year. Location: Full Duration: 1 day. Personnel: 2 Training: Comprehensive for a minimum of two personnel responsible for the system</p>	<p>1</p>	<p>1</p>	<p>Sample injecting methods: Sulfurnert 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 Evirmanet: 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 °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. Electronic control of pressure and flow Measuring response: Sensitivity: $\pm 0.5\%$ of span Linearity: $\pm 0.5\%$ of span</p>	<p>HS-GC</p>	<p>3</p>
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QCL-Lab Team

		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Repeatability: ± 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.</p>
					<p>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 spili 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</p>




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es, of -2 ml,		
... 4L, 20 ant	Hot Plate with Magnetic Stirrers	4
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<p>1 year. Successful Installation at the Training: on- site Personnel: on- site Personnel: on- site Personnel: on- site</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>Water Bath</p>	<p>5</p>
<p>1 year. Successful Installation at the Training: on- site Personnel: on- site Personnel: on- site Personnel: on- site</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>Benchtop PH meter</p>	<p>6</p>

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QCL-Lab Team

		<p>Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Temperature range : 50-300 °C. Chamber volume: walls: stainless. Power supply: AC 100-240 V , 50 ISO 13485. CE, FDA certificates or equivalent.</p>
		<p>Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Measuring range: 0.0001g-220g. Repeatability: 0.1µm 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 AC 100-240 V . 50/60 Hz. ISO 13485. CE, FDA certificates or equivalent.</p>




100 L, 60 Hz.	Drying Oven	7
g, Tare supply:	Analytical Balance	2

11/30/2024

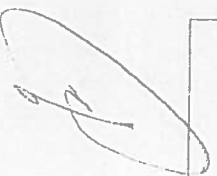
<p>1 year on: Successful on at the Training: on- intensive or a minimum personnel the system</p>	<p>1</p>	<p>Each</p>	<p>TLC Plate Cutter size: 200x200 mm. Drying Rack: 10 TLC plates with the formats 200 x 200, 200 x 100 and 200 x 50 mm. Simultan Separating Chamber: The vertical grooves in the transverse 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.</p>	<p>Thin Layer Chromatography (TLC)</p>	<p>9</p>
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QCI-Lab Team

		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Standard configuration: MCU-710D+MK V- 710+Automatic Solvent Change unit. Measuring me Karl Fischer Volumetric titration. Measuring range content : 0.1 to 500mg/H2O (depends on KF reagent factor). Concentration : 1ppm to 100%H_2O. Burette precision: 10mL, burette \pm 0.015mL ; reproducibili 0.005mL. Endpoint detection: By polarized potentia detected with a twin platinum electrode. Titration fe 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). P Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Speed Range: 200 to 3000 rpm. Material: Rubber. P Platform. Dimensions (L x W x H): 8.1 x 5.9 x 5.2 m (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, C FDA certificates or equivalent.</p>




Method: Water		
Accuracy +/- level	Karel fisher (K+) titrator	10
Form: 30 to ouch		
Power		
Plastic		
Material: E.	Digital vopex mixer	11

11/30/2024

<p>1 year. : Successful at the Training: on- sensitive a minimum personnel the system</p>	<p>1</p>	<p>Each</p>	<p>Speed range: 30-400rpm, Heavy duty maximum load 6kg. Power Supply: 100-230 V . 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>	<p>Orbital Laboratory Shaker</p>	<p>12</p>
<p>1 year : Successful at the Training: on- sensitive a minimum personnel the system</p>	<p>1</p>	<p>Each</p>	<p>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 Viscrometer, dimension: 180x220x330 mm. Power Supply: 100-230 V. 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>	<p>Falling ball Viscrometer</p>	<p>13</p>

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QCL-Lab Team

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




izer; ess ity: 1 30 V. ivalent.	Homogenizer	14
mm. Hz. ISO	Heating Mantle	15

11/30/2024

<p>1 year. Successful at the Training: on- comprehensive or a minimum personnel the system</p>	<p>1</p>	<p>Each</p>	<p>Measuring range: 0-3g/cm³; Temperature range: 10-95 °C. Pressure range: 0 to 10 bar. Density accuracy: ±0.0001 g/cm³. Resolution: ±0.0001 g/cm³. 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</p>	<p>Density meter</p>	<p>16</p>
<p>1 year. Successful at the Training: on- comprehensive or a minimum personnel the system</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>Pycnometer</p>	<p>17</p>
<p>17</p>					<p>Total Number of Device</p>

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QCL-Lab Team

Herbal Department

قیمت مجموعی	قیمت فی واحد	وراثتی، 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	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- er should be suitable for all sizes of desiccators. Thin Chromatography Filter Paper: Capillary Dispensing Pipettes: The pipettes should fill automatically when dipped into the sample liquid. Micro Capillaries: accuracy should be better than 1%. Power Supply: 230 V, 50/60 Hz. ISO 13485, CE, FDA certifies 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 cm ² . Filter funnel: PES. Waste bottle: Brossilite 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 certifies equivalent.

	تاریخ و مشخصات	شماره
10 and 200 ml. (average 200)	Thin Layer Chromatography (TLC)	1
31.000- ml. average	Vacuum Filtration System	2

11/30/2024

<p>1 year. Successful at the Training: on- prehensive or a minimum personnel the system</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>Heating Mantle</p>	<p>3</p>
<p>1 year. Successful at the Training: on- prehensive or a minimum personnel the system</p>	<p>1</p>	<p>Each</p>	<p>Speed range: 30-100rpm. Heavy duty maximum load 6kg. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>	<p>Orbital Laboratory Shaker</p>	<p>4</p>
<p>1 year. Successful at the Training: on- prehensive or a minimum personnel the system</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>Sieve Shaker</p>	<p>5</p>

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



		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Special medium length Ts 10/18 thermometer with range 14-38 °C. Accuracy ±0.2°C., volume size: 50 Power Supply: 100-230 V, 50/60 Hz. ISO 13485. FDA certificates or equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Maximum number of samples per test: 6. Temperature precision °C: ± 0.5. Solvent recovery %: 10 to 80. External dimensions L x D x H mm: 680 x 330 x 5 Accessories: Extraction thimbles set. Extraction vessel. Main fields of application (food, pharmaceutical, chemical and cosmetics) Power supply: (100 to 240 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Temperature Range: Ambient - 5 °C to 350 °C. Mel Result accuracy: ± Ambient + 5 (to 200.0)°C ± 4. Temperature Readability: 0.1°C. Furnace Construction: Horizontal Round Metal Block. Temperature Sensor: PT100 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.</p>




10 ml. CE ₂	Pycnometer	6
ture 80) esscl sol. (V) V - valent	Soxhlet Extractor Apparatus	7
ing 0.5°C, re: tion: ance ate, time	Melting point analyzer	8


11/30/2024

<p>1 year. : Successful at the Training: on- thensive a minimum ersonnel he system</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>Refrigerator</p>	<p>9</p>
<p>1 year. : Successful at the Training: on- thensive a minimum ersonnel he system</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>Freezer (-20)</p>	<p>10</p>
<p>1 year. : Successful at the Training: on- thensive a minimum ersonnel he system</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>Muffle Furnace</p>	<p>11</p>

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Acet-1 Lab Team



	<p>Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>External dimension (mm): 524x1067x574. Inner dimension (mm): 483x853x560. Dehumidification H₂O electrolysis discharge by solid polymer electrodehumidification element. Dehumidified ability (1W 30% rh is set). Within 8 hours. • Humidity Range: 160% RH, 0 to 60 °C/10 measurement range 60 %RH Temperature and humidity sensors: Temperature/thermistor elements, humidity/resistance low humidity measurement sensors. Area of dehumidifying element: about 49 cm². Temperature humidity display accuracy: ±1 °C. Power Supply: 1230 V, 50/60 Hz. ISO 13485, CE, FDA certificates equivalent.</p>
	<p>Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	<p>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. Diame heating bath: 255 mm. Volume heating bath: 4.5 L. Volume: 1L. Timer: yes. Rate of evaporation: Edmano L/h. Water: 1.2 L/h. Condensing surface: 1.200 cm² Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>



system: lytic /hen 0 to 1. ce ape e and 00- or	Digital Dry Desiccator	12
d: t: 10 - Drive: t: 20 -- via 2 / eter Flask t: 3.5 B ₂	Rotary vacuum evaporator (included vacuum pump and water shifter)	13

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1 year. Successful in at the Training: on- prehensive or 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.	Bench top PH meter 14
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QCI-Lab Team

					<p>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.</p>
		<p>Warranty: 1 year; Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>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.</p>
		<p>Warranty: 1 year; Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>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.</p>

Supply:	Analytical Balance	15
ACC s or	Analytical Balance (Top Pan Loading)	16
00 L. 0 Hz.	Drying Oven	17

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<p>1 year. Successful on at the Training; on- comprehensive for a minimum personnel the system</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>Hot plate with Magnetic stirrer</p>	<p>18</p>
<p>1 year. Successful on at the Training; on- comprehensive for a minimum personnel the system</p>	<p>1</p>	<p>Each</p>	<p>Volume : 20 Lit. Temperature range: 15-190 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.</p>	<p>Water Bath</p>	<p>19</p>
<p>1 year. Successful on at the Training; on- comprehensive for a minimum personnel the system</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>UV-Vis Spectrophotometer</p>	<p>20</p>

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QCL-Lab Team

		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>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.</p>
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Automated digital
polarimeter

21

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<p>1 year. Successful at the Training on- relentive for a minimum personnel the system</p>	<p>i</p>	<p>Each</p>	<p>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</p>	<p>Abbs digital Refractometer 22</p>
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QC1-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: R.F+10°C to 200°C. Display Resolution: 0.1°C. Temperature Stability: ±1°C. Vacuum Degree: 133 Pa. Chamber Material: Stainless steel. Aluminum Shelves: 2. ISO 13485, CE, FDA certified or equivalent.
			23	Total Number of Device	



ium ics	Vacuum oven	23
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Biochemistry Department

وراثی، نصب و ترمیم	مقدار	واحد	مختصات تخنیکي	نام دستگاه	شماره
<p>Duration: 1 year.</p> <p>Personnel: Successful completion of the course. Training: on-site. Minimum: 1 person.</p> <p>Personnel: 1 person.</p> <p>Personnel: 1 person.</p>	1	Each	<p>Detector: DAD.</p> <p>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 %.</p> <p>Operating pressure: more than 60 MPa.</p> <p>Pump Mode: gradient system or isocratic mode.</p> <p>Column Oven: Thermostat system 12 C - 90 C.</p> <p>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.</p> <p>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.</p> <p>A software system controlling all the aspects of the HPLC system mentioned above must be provided (original disk or Drive or CD).</p> <p>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 software is available for analysis. Data analysis software.</p>	SEC-HPLC	1

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QCI-Lab Team



Orn 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.

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

LPS 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: 100A (0.1 to 100 kDa), 150A (0.150 kDa), 300A (5 to 1250 kDa), Bio SEC-5 Size Exclusion Column

5 µm particle size, Pore sizes: 100A (0.1 to 100 kDa), 150A (0.150 kDa), 300A (5 to 1,250 kDa), 500A (15 to 5,000 kDa), 100A (50 to 7,500 kDa) and 2000A (100 to 90 kDa).

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



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<p>1 year. Successful at the Training: on- prehensive for a minimum personnel the system</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>Refrigerated Centrifuge</p>	<p>2</p>
<p>1 year. Successful at the Training: on- prehensive for a minimum personnel the system</p>	<p>1</p>	<p>Each</p>	<p>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-diagnostics. Temp measuring range: 0 to 100 °C. Power Supply: 100-230 volt. 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.</p>	<p>Benchtop PH meter</p>	<p>3</p>

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QCL-Lab Team

		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Measuring range: 0.0001g-220g; Readability: 0.1mg; Tare Range: Full; Linearity: 0.2mg; Response time: 3 sec; Auto Internal Calibration; PC Interface, USB; Calibration Certf with calibration weigh set; Operating Temperature Range: to 40 °C; Power supply: AC 100-240 V, 50/60 Hz; ISO 134 CE, FDA certificates or equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each	<p>Capacity : 150 L; Temp Range : 0- 60 C; Temp accu ±/ - 1 °C; Temp Fluctuation: ±/ - 1 °C; Maximum timer rang Hours: Display: 1(°) Humidity Range: 50-90 % rh; Powe Supply: 100-230 volt; 50/60 Hz; ISO 13485; CE, FDA certificates or equivalent.</p>




Automatic Capacity: 10g Accuracy: 0.0001g	Analytical Balance	4
Incubator		5

11/30/2024

<p>1 year. Successful personnel the system</p>	<p>Each</p>	<p>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. Operating pressure 1.5-20 °C. Timer. Automatic start and stop timer. Must have safety warning alarm. Must have Nassyery accessorize. Must be with calibration certification. ISO 13485, CE, FDA certificates or equivalent.</p>	<p>Vertical Autoclave</p>	<p>6</p>
<p>1 year. Successful personnel the system</p>	<p>Each</p>	<p>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.</p>	<p>Gel Electrophoresis System</p>	<p>7</p>

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QCL-Lab Team

		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>				<p>Working temperature: Ambient + 5 ~ 200 degree°C. 11 mode: 1-999 minutes. Capacity(Liters): 50. Accessory shelves. Power supply: 220V 50/60Hz ISO 13485. CE, FDA certificates or equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each		<p>Measuring range: 0.00 to 50.0 NTU. Resolution: 0.01 and 1 NTU. Accuracy: ± 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: 15 °C, ISO 13485, CE, FDA certificates or equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1	Each		<p>Sample volume: 50—150 µl. Resolution: 1 mOsmol/kg. Test time: ~ 2 min. Precision: SD ≤ 4 mOsmol/kg (0—10 mOsmol/kg. Linearity: ± 1 % (0—1500 mOsmol/kg. Calibration: Two-point calibration (0 mOsmol/kg and 5 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.</p>


QC/Lab Team

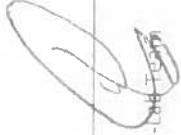


me	Oven Hot Air	8
me	Kinetic Turbidimeter	9
me	Freezing point analyzer (osmol meter)	10

11/30/2024

<p>Quality: 1 year Installation: Successful Commissioning: Comprehensive Training: Comprehensive for a minimum of 10 personnel operating the system</p>	<p>1 Each</p>	<p>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.</p>	<p>Sterility tester</p>	<p>11</p>
<p>Quality: 1 year Installation: Successful Commissioning: Comprehensive Training: Comprehensive for a minimum of 10 personnel operating the system</p>	<p>1 Each</p>	<p>Speed Range: 50 rpm to 2400 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.</p>	<p>Hot Plate with Magnetic Stirrer</p>	<p>12</p>
<p>Quality: 1 year Installation: Successful Commissioning: Comprehensive Training: Comprehensive for a minimum of 10 personnel operating the system</p>	<p>1 Each</p>	<p>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.</p>	<p>Water Bath</p>	<p>13</p>

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CCL-148-1000

		<p>Warranty: 1 year.</p> <p>Installation: Successful</p> <p>Installation at the laboratory</p> <p>Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1 Each	<p>Height: 68 in. Depth With Door Open 90 Degree: 57.0 in</p> <p>Depth: 31 in. Capacity: 17. Cabinet Width: 28.0 in.</p> <p>Refrigerator Volume: 13.66 cu. ft. Door Style: Countertop</p> <p>Handle Material: Plastic. Location of Controls: Interior</p> <p>Up Front. Deli Drawer: 1 Flexi-Slide Bin. Door Bins: 2</p> <p>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 equivalent.</p>
		<p>Warranty: 1 year.</p> <p>Installation: Successful</p> <p>Installation at the laboratory</p> <p>Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1 Each	<p>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.</p>
		<p>Warranty: 1 year.</p> <p>Installation: Successful</p> <p>Installation at the laboratory</p> <p>Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	1 Each	<p>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.</p>




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


11/30/2024

<p>1 year. Successful on at the Training: on- rehearsive or a minimum personnel the system</p>	<p>1 Each</p>	<p>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. Pharm:Spec 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.</p>	<p>Liquid Particle Counter</p>	<p>17</p>
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		Warranty Installation Installation laboratory site comp training f of two scientific operating
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QCL-lab Team

	<p>Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system</p>	<p>1 Each</p>	<p>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.</p>
<p>18</p>		<p>Total number of Device</p>	

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Incubator

18

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Medical Equipment Department

وراثی، نصب و ترمیم	مقدار	واحد	مشخصات فنی	نام دستگاه	شماره
Warranty: 1 year. Installation: Full Installation at the Hospital Operator Training: Comprehensive for a Team of two Hospital personnel including 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 CE, FDA certified or equivalent.	Sterility test pump (Compleat system)	1

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		<p>Warranty: 1 year. Installation: Successful</p> <p>Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>			
		<p>Warranty: 1 year. Installation: Successful</p> <p>Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>		1 Each	<p>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.</p>
		<p>Warranty: 1 year. Installation: Successful</p> <p>Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>		1 Each	<p>Load capacity: 255 kgf. Max speed (mm/min): 2540. Max speed (mm/min): 0.005. Maximum force at full speed 0.75. Position control resolution μm: 0.61. Total Cross travel (mm): 1041. Total Vertical Test space (mm): 1219. ISO 13485. CE, FDA certificates or equivalent.</p>

<p>As A</p>	<p>Leak and Seal Strength Tester</p>	<p>2</p>
<p>Min KN load ISO</p>	<p>Surgical Suture Tensile Strength Testing machine</p>	<p>1</p>

11/30/2024

<p>Quantity: 1 year. Location: Successful installation at the factory. Training: Comprehensive training for a minimum of two specific personnel managing the system.</p>	<p>1 Each</p>	<p>Test effective area: 105*100 mm, up to 105*152 mm. Effective stroke:1.50mm. Maximum load:500N. Accuracy:±0.5% ISO 13485, CE, FDA certificates or equivalent.</p>	<p>Manual Peel Strength Tester</p>	<p>+</p>
<p>Quantity: 1 year. Location: Successful installation at the factory. Training: Comprehensive training for a minimum of two specific personnel managing the system.</p>	<p>1 Each</p>	<p>Test Stroke: 1.5 mm. Size: 500mm x 590mm x 330mm. 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.</p>	<p>Razer Edge Sharpness Tester</p>	<p>+</p>

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QCL-Lab Team

		<p>Warranty: 1 year. Installation: Successful</p> <p>Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>		1 Each	<p>Capacity : 150 L. Temp Range: : 0- 60 °C. Temp accuracy: ± 1 °C. Temp Fluctuation: ± 1 °C. Maximum timer range: 9999 hours. Display: LCD. Humidity Range: 50-90 % rh. Power Supply: 100-230 volt , 50/60 Hz. ISO 13485. CE, FDA certificates or equivalent.</p>
		<p>Warranty: 1 year. Installation: Successful</p> <p>Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>		3 Each	<p>Measuring Range: 0-150 millimeter or 0-6 inch. Resolution: 0.01 millimeter or 0.0005 inch. Repeats 0.01 millimeter or 0.0005 inch. Maximum measurement speed: Im.s. ISO 13485, CE, FDA certificates or equivalent.</p>

Aracın Kilometre Sayısı: 24	İnkubatör	6
Aracın Modeli: Digital Vernier Caliper		7

11/30/2024

<p>ty: 1 year. tion: ful tion at the ory Training: nsive for a m of two e personnel g the system</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>Analytical Balance</p>	<p>8</p>
<p>ty: 1 year. tion: ful tion at the ory Training: nsive for a m of two e personnel g the system</p>	<p>1</p>	<p>Each</p>	<p>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</p>	<p>Reynolds pH meter</p>	<p>9</p>

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		Warrant Installat Success Installat laborato on-site comprel training minimu scientific operatin




QCL-Lab Team

		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>		1 Each	<p>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. Keonr 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.</p>
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>		1 Each	<p>Volume : 20 Lt. Temperature range: 15-100 C. Temper 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.</p>

er DA	Hot Plate with Magnetic Stirrers	10
ature ney	Water Bath	11

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<p>Year: 1 year. Location: Full Location at the Primary Training: Intensive for a team of two personnel using the system</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>12</p>
<p>Year: 1 year. Location: Full Location at the Primary Training: Intensive for a team of two personnel using the system</p>	<p>1</p>	<p>Each</p>	<p>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.</p>	<p>13</p>

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		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>			
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>		1 Each	<p>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</p>
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>		1 Each	<p>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.</p>

astic	Digital vortex mixer	14
00 L. 0 Hz.	Drying Oven	15

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<p>ity: 1 year.</p> <p>ion:</p> <p>ful</p> <p>ion at the</p> <p>ry Training:</p> <p>sensive</p> <p>for a</p> <p>m of two</p> <p>e personnel</p> <p>the system</p>	1	Each	<p>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 $\pm 1 - 0.1$ °C; LED display for temperature and remaining time. Operation temperature 140 °C. Temp accuracy $\pm 1 - 0.5$ at 121 °C. Operating pressure 15-20 °C. Timer: Automatic start and stop timer. Must have safety warning alarm. Must have Nassyery accessorize. Must be with calibration certification. ISO 13485. CE, FDA certificates or equivalent.</p>	Vertical Autoclave	16
<p>y: 1 year.</p> <p>ion:</p> <p>ful</p> <p>ion at the</p> <p>ry Training:</p> <p>sensive</p> <p>for a</p> <p>n of two</p> <p>e personnel</p> <p>g the system</p>	1	Each	<p>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.</p>	Vertical Laminar Flow Bench	17
17			Total number of device		

Warrant		
Installation		
Successful		
Installation		
laboratory		
on-site		
completing		
training		
minimum		
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operation		
Warrant		
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on-site		
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minimum		
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QCL-Lab Team

Water purification plant

قیمت مجموعتی	قیمت فی واحد	وراثتی، نصب و تربیتنگ	مقدار	واحد	مشخصات فنیگی
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	2	Each	<p>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 to 0.1 µS/cm. Feedwater Source: tap. Flow Rate: 0.6l/min. Organic Carbon: 1 to 5ppb. Endotoxin Concentration: 0.005FU/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 water site exceed 150 ppm, the supplier is responsible for prefiltration system (RO system).</p>
		<p>Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system</p>	4	Each	<p>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 certificate equivalent. * In case the total dissolved solids (TDS) in the water installation site exceed 150 ppm, the supplier is responsible for prefiltration system (RO system).</p>




اسم شرکت:

آدرس:

تاریخ: 1403

- (1) معینیت غذا و ادویه وزارت صحت عامه تخصیص بودجه لازم برای تدارک احسان / خدمات غیر مشورتی مندرج این درخواست را دارد.
- (2) آفر سر بسته شتابتاریخ 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 در اتهائاتن 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 قبیه و تدارک 3+4 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 چهاره طرزالعمل تدارکات قابل اجرا است. (25%) (بیست و پنج فیصد) تولیدات داخلی ارجحیت دارد.
- (7) آفر گشائی درمخصرعام حتمی نبوده و فرمایش دهنده مکلفه قبولنازترین نرخ نمی باشد. در صورت ردهریک یا تمام آفرها فرمایش دهنده کدام مسئولیت درقبال داوطلب قبیه ارائه کننده ندارد.
- (8) آفر دهنده اسناد ذیل را با آفر خویش ضمیمه می نماید:
 - 1- حواز تجارتي / فعالیت / کار قابل اعتبار:
 - 2- تمبرتخصیصه مالیه: (اختیاری)
- (9) سند نرخ گیری تکمیل و توسط شخص با صلاحیت یا نماینده قبیه / 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:

- (c) ...
- (d) ...
 - 1- ...
 - 2- ...
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 - 4- ...

- (e) ...
- (f) ...
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(i) ...

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