



TÜRKİYE ODALAR VE BORSALAR BİRLİĞİ



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

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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)



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امارت اسلامی افغانستان
وزارت صحف عامه
معینیت غذا و ادویه

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



Islamic Emirate of Afghanistan

کمیته موظف خریداری

درخواست نرخ گیری
(Request for Quotation)

برای

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

شماره درخواست نرخ گیری :

تاریخ صدور درخواست نرخ گیری: 1403 /

شماره: ف س 9 (پیشنهاد)

اسم شرکت:

آدرس:

1403

تاریخ:

- (1) معینیت غذا و ادویه وزارت صحت عامه تخصیص بودجه لازم برای تدارک اجناس/ خدمات غیر مشورتی مندرج این درخواست را دارد.
- (2) آفر سر بسته شمانتاریخ 1403 / / ساعت 02:00 بعد از ظهر یا قبل از آن به شعبه هیات خاص خریداری ماشین آلات لابراتوار 4 زون کشور، معینیت غذا و ادویه وزارت صحت عامه واقع ده افغانان تسلیم داده شود.
- (3) آفر ها نیکه بعد از میعاد تسلیمی ارائه گردید. بدون اینکه باز شود مسترد می گردد. پاکت حاوی آفر باید به صورت واضح عبارت نرخ قیة و تدارک 344 قلم ماشین آلات لابراتوار 4 زون مورد ضرورت لابراتوار های ولایت هرات، قندهار، ننگرهار و بلخ در بنایی نشانی شده باشد.
- (4) آفر ارائه شده درآفرها باید الی مدت (30) روز تقویتی سر از تاریخ ختم میعاد تسلیمی آفرها اعتبار داشته باشد.
- (5) در صورت تغیر در مقدار نیازمندی، اداره می تواند مقدار نیازمندی تقاضا شده را الی (15) فیصد زیاد و یا کم نماید، مشروط به اینکه قیمت مجموعی آن از حدود صلاحیت پولی برای درخواست نرخ گیری تجاوز ننماید.
- (6) ترجیح داخلی مطابق حکم چهاره طرز العمل تدارکات قابل اجرا است. {25٪} (بیست و پنج فیصد) توفیدات داخلی ارجحیت دارد.
- (7) آفر گشائی در محضر عام حتمی نبوده و فرمایش دهندة مکلفه قبولنازترین نرخ نمی باشد. در صورت رد هریک یا تمام آفرها فرمایش دهندة کدام مسؤولیت در قبال داوطلب قیة/ ارائه کننده ندارد.
- (8) آفر دهندة اسناد ذیل را با آفر خویش ضمیمه می نماید:
 - 1- جواز تجارتي/ فعالیت/ کار قابل اعتبار؛
 - 2- غیر تشخیصیه مالیه؛ (اختیاری)
- (9) سند نرخ گیری تکمیل و توسط شخص یا صلاحیت یا نماینده قیة/ 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	وراثی، نصب و تربیتی	مقدار	واحد	ملاحظات فنی
		Warranty: 1 year Installation Successful Installation at the laboratory. Training on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Detector: PAID or DAD. Wavelength range (190nm - 999nm). DAD detector must have a flow cell that can be easily replaced. Necessary: Pump: a quaternary pump system with the capability of handling 4 solvents as mobile phase. These solvents may be handled together or individually or in any combination. Flow rate: 10ml/min. Flow rate accuracy: $\pm 1\%$. Operating pressure: 60 MPa. Pump Model: gradient system or isocratic mode. Oven: Thermostat system $12^{\circ}\text{C} - 90^{\circ}\text{C}$. 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 available along with the system. Tool fittings must be easy to change and tools provided. Appropriate tools for maintenance must be available. It is preferable to have some leak detection system. Consumables (such as needles, filters) must be provided. Autosampler: can inject samples into the LC system. Injection volumes ranging from 0.1 μl to 100 μl. The autosampler must be capable of holding at least 100 samples and must allow for programmable automated injection of samples into the LC system without interruption of the run. The autosampler must be able to hold vials (approx. 2ml) with screw cap and septa that are interchangeable. The autosampler must be provided by the vendor. Suitable column with guard column according to the method. A software system controlling all the aspects of the system. The software must be provided (original disk or CD-ROM). The software should have the capability of differentiating parameters during the run of a sample. The post run data should be available in the same software where the user can save a run sample must available for analysis. Data analysis software must be available.

	نام و نام خانوادگی	شماره
HPLC		1

Warranty: 1 year. Successful installation at the Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	standard chromatogram operations such as area, height, width and percentage estimation. The software system must also allow the easy integration of calibration data into data analysis methods. The software must be able to perform spectral analysis for UV-visible, fluorescence and RI detectors. The software data analysis system must also allow for the integration of UV spectral library information for automatic matching of the peaks with reference spectra, even if this might not be standard features. If this UV spectral matching feature is available. A suitable computer system must be provided for this system that can handle all the operations. UPS system more than 30 min backup. A generic C-18 column must be provided that can separate a mixture of polycyclic aromatic hydrocarbons. A tubing kit and maintenance tool kit must be provided along with the system. ISO 13485, CE, FDA certificates or equivalent	FTIR Spectrophotometer 2
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Accuracy: Should be within ±0.5%.	Fully Automatic Kjeldahl Nitrogen Analyzer	1
Should be within ±0.5%.	High pressure with Magnetic stirrer	1
Should be within ±0.5%.	Should be within ±0.5%.	1

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

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Hand / Motor lift, hand lift, Height adjustment speed: 10 mm/min, Height adjustment: 155 mm, Rotation speed: 10 - 200 rpm, Rotation speed setting: 3,5° LCD display, Drive: brush motor with electronic speed control, Heating capacity: 1 temp. range heating bath: 20 - 210 °C, Temperature bath: ± 1, Overheat protection bath cut-off at 5 °C, Overheat temperature via separate Pt 1000 Bath temperature control: digital, Heating bath temperature control: digital, Material heating bath: stainless steel, Diameter bath: 255 mm, Volume heating bath: 4,5 L, Flask volume: 1000 ml, Inner: yes, Rate of evaporation: Ethanol: 3,5 L/h, With (condensing surface: 1.200 cm², Power Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.	1	Each	Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system
It should be a small foot print, battery powered with a 15 piece with digital display Measurement of liquid samples, regardless of their turbidity, viscosity, temperature, absorption Measurement prism: (Optical glass, 1 inch) Approximating to wavelength of D-Lines, Wavelength Scale: Refractive Index & Brix Measurement Range: index (mD): 1.3000 to 1.7000 Brix: 0.00 to 95.000 (°C) (ATC), Measurement Accuracy: Refractive Index: $\pm 0.003\%$, Temperature control range: 5.0 to 70.0 °C Calibration standards: Calibration blocks: 1 No anhydrous solution (1-Bromonaphthalene) and any other standard Power Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.	1	Each	Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system

Rotary vacuum evaporator (it included vacuum pump and water chiller)	9
Water activity meter	10
Abbs digital Refractometer	11

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

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		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each The system must be closed and microprocessor controlled capable of performing all operations: extraction, filtration of samples for analysis of crude fiber, acid fiber, neutral fiber, neutral detergent fiber, etc. Should have agitator/heat Switch & temperature/timer/clock controller for process parameters and results readout. System should be based on either filter bag technology. Should have possibility of analyzing 6-12 samples at a time. Sample size: < 1 gm Measuring range: 0.1 to 100%. Reproducibility: ± 0.5% at 5% - 30% fiber level. Power Supply: 100-230 V AC, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each Measuring principle: visual. Modes: Transmission, Range 0.1 - 79.9 Red, Yellow, 0.1 - 49.9 Blue, 0.1 - 19.9 Green, 0.1 - 9.9 Orange, 0.1 - 4.9 Purple, 0.1 - 1.9 Brown, 0.1 - 0.9 Grey, 0.1 - 0.1 White. Resolution: 0.1 Lovibond® unit. Optical system: nylon racks containing a graduated range of Lovibond color glass-ess. Viewing system: fully adjustable, prism and blue fiber for light standardization. Light source: A act tungsten halogen lamp Illuminant approximating D65. Path length: 10 to 153 mm (6"). Power supply: AC 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.




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Automated fiber analyzer	14
Low beam monitor	5

11/30/2024

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

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Measuring method: Infrared heat drying mass method Sample pan size: $\phi 150$ mm Minimum display in weighing: 0.001 g Measurement range of moisture content: 0.01% to 99.99% Moisture content minimum display: 0.01% Maximum sample capacity: 120g Measurement mode: Automatic or Timed halting modes, Rapid, Slow, Hold, Predictive Measuring mode Drying heater: Mid-wave infrared quartz heater Setting temperature range: 30 °C to 180 °C (by 1 °C increments) Dimensions & weight: W220xD415xH190 (mm), 4.5 kg Operational temperature and humidity range: 5 °C to 40 °C, 85% RH maximum Standard accessories: Sample pan 2 pcs, sample holder 2 pcs, windbreak case, sample pan, handler 2 pcs, alarm bell, spoon, spatula, power supply: AC 100-240V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.	1	Each	Warranty: 1 year Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system
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18	Electron microscope balance	Step drying	20.0000 g	Percent
19	Freezer (-20)	Subic feet	100-250	Percent

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

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		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Tank capacity: 8 L, Tank size (mm): 300x240x100 Power: 200 W, Heating power: 300 W, Heating time setting: 1-99 min, Display: Digital REID LCD Supply: 100-240 V, 50/60 Hz, ISO 13485, CE, ISO 9001 or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed range: 30-460rpm, Heavy duty maximum torque Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, ISO 9001 or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Max Irradiance: 750 mW/cm², Wavelength: 395 nm, 405 nm, Electrical Power Input: 100-240V AC, Interior Dimensions: 300mm x 240mm x 100mm Power Supply: 100-230 V, 50/60 Hz.




Ultrasonic Temp: 0-80 °C, Power Certificates	Ultra Sonic Bath	22
d 60, Power Certificates	Optical Laboratory Spect	23
0, 385 mm, Ion Supply mm x 500mm	VAC Chamber	24

Warranty: 1 year. Installation: Successful Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Max. flow rate: 20 l/min. Capacity: 300 ml / 1000 ml Filter diameter: 47 mm / 50 mm. Effective filtration area: 1 x 1 cm Filter funnel: PES. Waste bottle: Borosilicate 1000ml glass (with drain). Funnel lid: PP. System, complete set includes: V.P. 17. Vacuum Pump. MF 31. Filtration Set. Silicone Tube (1m) Power Supply: 100-230 V, 50/60 Hz. ISO 13485 (CE, FDA certificates or equivalent).	Vacuum Filtration System	25
Warranty: 1 year. Installation: Successful Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Viscosity range: 0.5 mPa - 70000 mPa. Accuracy: 0.3%, Balls 1 and 2; Boron Silicate (Glass. Balls 3 and 4; Nickel metal. Balls 5 and 6; Steel Ball time of measurement: 30-300 seconds. Operating temperature: -5 °C - 150 °C. Sample tube volume: 40ml Viscometer, dimension: 130X220X330 mm. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Patting ball Viscometer	26
Warranty: 1 year. Installation: Successful Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Application: liquid and semi solid mixer homogenizer. PLC automated touch screen control, jacketed process vessel for temperature controlled processing Capacity: 1 L. (Model: H10M1 1.3 Ltr). Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Homogenizer	27

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		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Sieve diameter: 200 mm. Quantity of sieve: 1. Frequency: 1400r/min. Exciting force: 3 K.N. Imp. Motor: Vertical vibration motor. Accessories: Support & Rods (model: STXVSS8). Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Special medium length Ts 10x18 thermometer with CE. Accuracy: $\pm 0.2^{\circ}\text{C}$, volume size: 50 ml. Power: 750 W, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Automated (operating system with LCLD1.1.1) without manual alignment can connect PC with RS-232C. Measurement Range: Concentration 0-95%, Resolution: 1.2800—1.7000. Automatic Temperature Control: 1.2800—1.7000. Resolution: 1.2800—1.7000. Accuracy: ± 0.0001 . Measurement Accuracy: Bulyro $\pm 0.5\%$, ± 0.0001 . Measurement Accuracy: Bulyro $\pm 0.5\%$, ± 0.0001 . Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.
			30		Total Number of Device

Microbiology Department

ذرائع و نصب و تربیت	مقدار	واحد	مشخصات فنی	نام دستگاه	شماره
Warranty: 1 year. Installation: Successful Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Standard version, working space: 1135x570x570mm. Includes radial fan, illumination, differential pressure indicator, pre-filter HEPA filter. For bench mounting. ISO 13485, CE, FDA certificates or equivalent.	Vertical Laminar Flow Bench	1
Warranty: 1 year Installation: Successful Laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring range: 0.0001g-220g, Repeatability: 0.1mg, True 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	Analytical Balance	2

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قیمت مجموعی

قیمت فی واحد

QCI Lab - Team

		Warranty: 1 year. Installation: Successful laboratory Training: on site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Capacity : 150 L., Temp. Range: - 0- 60°, Temp. and °C, Temp. Fluctuation: $\pm$ 1 °C, Maximum timer Hours: 1 (Display: LCD), Humidity Range: 50-90 % (RH), Supply: 100-230 volt., 50/60 Hz., ISO 13485, CE, TCF certificates or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Cabinet (Material of construction): Cabinet should be galvanized Iron 18 SWG sheet metal with polyurethane coated finish and bottom will be supplied with ABS coated modular stand which can be adjustable for leveling legs or motorized. External surfaces to be antimicrobial coating to protect against surface contamination and inhibit bacterial growth. Interior work area single piece of stainless-steel with large radius cleaning. The cabinet work area must have a door which collect contaminants or not. Door front view clear 5 mm thick Toughened glass. A control shift touch Motorized operation, while opening the door will be cut "OFF" And while closing the door it will be cut "ON". Automatically, Side Panels, both the side from double layered outer GI & inner stainless steel air plenum in between. Edges should be perforated to of room air into the work zone and exit of contaminants





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the room and such contaminated air is sucked through this full height perforation at the edges of the sidewalls. A recessed central area with drain pan to contain spills and prevent liquids from entering the lower filtration unit. The BSC shall be ergonomically designed for maximum user comfort and adjustability. Fail-safe system to ensure that in case of exhaust failure, the cabinet's main fan automatically shuts down to ensure safety to the user. Air Balancing : 100% Exhaust & 0 % Recirculation. Direction of flow: Vertical. HEPA Filters: Type: Separator less type. Mini-Pleats HEPA Media. Media: Ultra clean glass fiber paper. Retention: 0.3 Micron Efficiency: 99.997%. Initial Pressure: 12 mm W.G. Grade: H14 rating. Real-time display panel for remaining Filter. ISO 13485, CE, FDA certificates or equivalent.			
Chamber: Vertical loading type chamber with service basket. Chamber size: 80 x 120 L. Gauges: Should have a water level gauges. Display: Fully Automatic PID control $\pm 0.1^{\circ}\text{C}$. LED display for temperature and remaining time. Operating temperature 10°C . Temp accuracy ± 0.5 at 121°C . Operating pressure 15.2psi . 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.	1	Each	Vertical Autoclave
Speed Range: 50 rpm to 2000 rpm. Stirring Capacity: 4L. temperature range: $80\text{--}380^{\circ}\text{C}$. Maximum load: 12 to 20 KG. Body Material : Polypropylene. Corrosion resistant surface and panels. A design that prevents liquid spillages from entering the instrument. Digital Output connectivity. RS232. Retort stand attachment(s). Set safety temperature limit displayed digitally. Power supply: AC 100-240 V , 50/60 Hz. ISO 13485, CE. FDA certificates or equivalent.	1	Each	Hot Plate with Magnetic Stirrer

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QCL Lab - Team

	Head: Binocular. Body: Body-Single mold stand, inclined. Binocular body 30°, 360° rotatable. Focus adjustment controls. A durable textured neoprene finish. All metallic parts should be corrosion-proof and stain-proof. Optical system: Optical system should be corrected. Built-in LED light source with white light intensity control and LED life of more than 10,000 hours. Objective: Parfocal, anti-fungal coated 4X, 10X, 40X (immersion) with semi-planar achromatic correction. Should be well centered even if their position on the stage is changed. 10X, 40X and 100X objectives should have apertures of 0.25 and 0.65 respectively. 100X should have 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. It should accommodate four objectives with click stop. It should be provided with rubber ribbed grip for easy rotation. Precision ball bearing mechanism for smooth and precise alignment. Extra ports if any should be fitted with protective metallic reborn caps. Stage: Stage unit with mechanical stage having dimensions of length 150mm (x-axis) with fine vertical graduations. It should have a convenient sub-stage vertical axial adjustment mechanism. Sub-stage condenser: Abbe-type condenser with numerical aperture (N.A.) 1.25 fit-usable with both low and high magnification objectives. The system should have a built-in light source (illuminator). Microscope should comply with ISO 15630, CE, FDA certificates or equivalent.
Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	Each




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

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Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	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 measuring range 0 to 100 °C, Power Supply: 100-220V 50/60 Hz, With two extra electrodes, ISO 13185, CE, certificates or equivalent.
Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Material of construction: Full Stainless-steel (fabricated duly heat cured epoxy coating). Display and counting consist of: Digital display up to 4 digits with continuous audible tone. It should consist of Magnifying lens over 2X magnification with digital marking pen). Access up to size 149 mm diameter with a centering aid for 90 mm pen. Dish, glare free viewing low energy lighting, switchable black background viewing transilluminated see columns, 7 touch screen button. Power supply: 100-220V 50/60 Hz, ISO 13185, CE, FDA certificates or equivalent.
Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature range: -12 - 24°C, Capacity: Range: Door Swing Left/Right, Double-Swing, Power W, 50/60 Hz, ISO 13185, CE, FDA certificates or equivalent.

ing ic osis, Temp 0 volt. FDA	bench top fill meter	11
ed body with It should ntology eatable than per, fish for standard in (100) S.A di, difficult to 0-2.25 V. elen	120000 (0.000000)	12
ubic feet, ly: 100-250 ivalent.	Freezer (20)	13

Warranty: 1 year Installation: Successful Training: on-site comprehensive training for a minimum of two scientific personnel generating the system	Each	Height: 48 in. Depth With Door Open 90 Degree: 57.0 in. Depth 31 in Capacity: 17. Cabinet Width: 28.9 in. Refrigerator Volume: 13.66 cu. ft. Door Style: Conceal, Handle Material: Plastic. Location of Controls: Interior Top Front. Deli Drawer: 1 Flexi-Slide Bin, Door Bins: 2 Fixed Full-Width, Lighting: LED Features: LED Lighting, EZ Connect IceMaker Kit Compatible, Flexi-Slide Bin, Humidity-Controlled Crispers, ISO 13485, CE, FDA certificates or equivalent	Refrigerator	14
Warranty: 1 year. Installation: Successful Training: on-site comprehensive training for a minimum of two scientific personnel generating the system	Each	Speed Range: 200 to 5000 rpm. Material: Rubber, Plastic Platform, Dimensions (L x W x H): 8.1 x 5.9 x 5.2 in. (20.3 x 15.1 x 13.1 cm). Timer Range: 1 to 99 min. Continuous Power Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, FDA Certificates or equivalent	Digital vortex mixer	15
Warranty: 1 year Installation: Successful Training: on-site comprehensive training for a minimum of two scientific personnel generating the system	Each	RPM range: 50-5000 RPM, Increment range: 5 RPM, Timer facility 1 min to 15 min or beyond, Rotor capacity: 12 or more (15 ml). Rotor type: fixed angled rotor. Power Supply: 100-230 volt, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent Complete Programmable each parameters	Digital Control Centrifuge	16

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		Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Counting Chamber: Constructed entirely of glass should contain a 15x20mm rectangle that is blank to shoulders on each side to support cover glass. Rectangular Cover glass should have optically plane surfaces for calibration of microscope. Eyepiece micrometer: 100 squares (grid), each of which is equal to 1/6 of the eyepiece diaphragm opening. Cover slips: 7mm 28mm 0.5mm 2 Nos. Thick 28mm x 23mm x 1.0mm 2 Nos. Supply: AC 100-230 V, 50/60 Hz, ISO 13485, CE mark certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Volumen : 20 Lt. Temperature range: 15-100 °C Resolution Ratio: 0.1 °C. Power: 2 kW. 110-115 V should be work in electricity voltage and frequency 230V, 50/60Hz, ISO 13485, CE mark certificates or equivalent.




Power FD ed into meter of the n x 3.3mm x ities for le and y 0.1 mm ure of glass	Howard Model 5 counter
equivalent of 2.2 determine Gelen Tarik Sayi	W.A.C. Hall

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

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Water Physicochemical Department

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

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قیمت مجموع		



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		Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Range: Conductivity: 0 μS/cm - 2000mS/cm μg/L or ppt; Temperature: 0 - 100 $^{\circ}$C; Resolution Conductivity: 0.01 μS/cm - 200.0 mS/cm TDS: 0.01 ppm to 0.1 μg/L or ppt; Temperature: 0.1 $^{\circ}$C Conductivity: $\pm$1% full-scale; TDS: $\pm$1% full-scale Temperature: $\pm$0.5 $^{\circ}$C; Calibration: Calibration reference material traceable to SI units or ISO 11171 Ranging: Across 5 Conductivity and TDS range point push button Calibration. Accessories: Replaceable One spare electrode. Power supply: AC 100-240V 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 Year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Measuring range: 0.0001 μg-200μg; Readability: Range: Full; Linearity: 0.2mg; Response Time: Automatic Internal Calibration; PC Interface Calibration Certificate with calibration weight Temperature Range: 10° to 40 $^{\circ}$C; Power supply: 240 V . 50/60 Hz; ISO 13485, CE, FDA certificates or equivalent.

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DS 0 - 2000 0.01 mg/L on accuracy: by certified meter - IDS 0.001 Auto- range 5- 24.60	Benchtop Conductivity meter - IDS 0.001	5
DS 0 - 2000 0.01 mg/L on accuracy: by certified meter - IDS 0.001 Auto- range 5- 24.60	Benchtop Conductivity meter - IDS 0.001	4
DS 0 - 2000 0.01 mg/L on accuracy: by certified meter - IDS 0.001 Auto- range 5- 24.60	Benchtop Conductivity meter - IDS 0.001	5

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

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		Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	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 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent
		Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	CaCO ₃ range: 20-350 mg/L, Cl ⁻ range: 5-100 mg/L range: 3-50 mg/L, Application: for raw (untreated) drinking water, surface water, Power supply: AC 100-240 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent
			10	Total Number of Device	




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g/L, mg/L, ed. water, 100-240 V equivalent.	Chlorin Analyzer	10
Drinking water hardness test		1

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QCI Tab - Team

			Hydrogen compressed gas cylinder, purity 99.99% Inlet Pressure: 2-125 psig (8.25 kPa) Airflow, regulators and connectors All proposed units should be work in electricity with frequency of 220V - 230V, 50/60Hz, ISO 13485, 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 with the formats 200 x 200, 290 x 100 and 290 x 200 Simultan Separating Chamber: The vertical grooves transverse walls should hold up to five 300 x 200 mm plates. Desiccator Opener: This opener should be in sizes of desiccators. Thin Layer Chromatography Capillary Dispensing Pipettes: The pipettes should be automatically when they are dipped into the sample vials. Capillaries: Their accuracy should be better than (Class 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 and time system automatic operation. Deuterium Light Source: Hollow Cathode Lamps (HCL) 100W, 185nm Correction: Deuterium. Wavelength range: 185-900nm. Design: Czerny Turner Spectrometer. Wavelength range: 0.005nm. A suitable computer system must be provided that can handle all the operation. Power supply: 240 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.
Warranty: 1 year. Installation: Successful Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring range: 0.0001g-220g, Repeatability: 0.0001g, Full, Linearity: 0.2mg, Response Time: 3 sec, Auto Calibration, PC Interface, USB, Calibration Certificate, calibration weight set. Operating Temperature: 0-30°C, Power supply: AC 100-240 V, 50/60 Hz, ISO 13485, FDA certificates or equivalent.

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0.1 mg plates min in the n 10 lab for all er per 11 Micro (TTS-3000 em	Thin Layer chromatography (TLC)	1
er both or 80 sens, four m. Optical recision : ted for this ply: AC 106 or equivalent	Volume Absorption spectrophotometer	1
Tare Range: atic Internal e with e: 10 ⁶ to 40 185, CE.	Analytical Balance	1

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

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OCL lab - Team

	Warranty: 1 years. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	External dimension (mm): 524x1067x574. Inner dimension (mm): 483x853x560. Dehumidified H₂O electrolysis discharge by solid polymer electrolyte dehumidification element. Dehumidified ability 30% rh is set). Within 8 hours. • Humidity Range: 60% RH. 0 to 60 °C/10 measurement range 60 °C 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 certified equipment.
	Warranty: 1 years. Installation: Successful 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 250 x 50 mm. Simultaneous Separating Chamber: The glass grooves in the transverse walls should hold up to 1 x 200 mm TLC plates. Desiccator Opener: This should be suitable for all sizes of desiccators. Chromatography Filter Paper: Capillary Disperser Pipettes: The pipettes should be automatically and are dipped into the sample liquid. Micro Capillary accuracy should be better than 1%. Power Supply: 230 V, 50/60 Hz. ISO 13485, CE, FDA certified equipment.




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in system: nolytic When : 10 to RH. ance ape	Digital Dry Desiccator	23
Thin Layer Chromatography (TLC)		24

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Duration: 1 year Location: Successful at the laboratory on-site comprehensive training for a minimum of two personnel operating the system	1	Each	RPM range: 50-5000 RPM Increment range: 5 RPM Timer facility 1 min to 15 min or beyond. Rotor capacity: 12 or more (5- 15 ml) Rotor type: fixed angle rotor. Power Supply: 100-230 volt, 50-60 Hz ISO 13485, CE, FDA certificates or equivalent.	9	Digital Controlled Centrifuge
Duration: 1 year Location: Successful at the laboratory on-site comprehensive training for a minimum of two personnel operating the system	1	Each	Temperature range: -12 - 24 °C. Capacity Range: 2.1 cubic feet Door Swing Left Hinge Double-Swing. Power Supply: 100-230 V, 50-60 Hz ISO 13485, CE, FDA certificates or equivalent.	10	Freezer (-20)
Duration: 1 year Location: Successful at the laboratory on-site comprehensive training for a minimum of two personnel operating the system	1	Each	Height: 68 in. Depth With Door Open 99 Degree: 57.9 in. Depth: 37 in. Capacity: 17.7 Cabinet Width: 28.9 in. Refrigerator Volume: 13.66 cu. ft. Door Style: Countertop Handle Material: Plastic. Location of Controls: Interior Top Front. Deli Drawer 1 Flexi- Slide Bin. Door Bins 2 Fixed Full-Width. Lighting: LED. Features: LED Lighting, EZ Connect Iceemaker Kit Compatible, Flexi-Slide Bin, Humidity-Controlled Crispers. Power Supply: 100-230 V, 50-60 Hz. ISO 13485, CE, FDA certificates or equivalent.	11	Refrigerator
Duration: 1 year Location: Successful at the laboratory on-site comprehensive training for a minimum of two personnel operating the system	1	Each	pH range: 0 to 14, mv, ±1999, Accuracy: ±0.02, operating temperature: 5-40 °C. Calibration: 1-3 points automatic calibration with calibration instruction and self-diagnosis. Temp. measuring range: 0 to 100 °C. Power Supply: 100-230 volt, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	12	Bench top pH meter

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100 L walls; ISO 13485.	Dry over	13
elevation; between 15.230 meters 8- with 10 620 mm and calculator 5 °C to dust 1.4 mm, 450 703 NABL how be Fully capacity; e. need, or e to maintain (sided) 6 wall plate. up to 99, CE, F10A	ELISA Kit® with Plate Wash	14

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 PUF coated modular stand which can be adjustable for height with leveling legs/or motorized. External surfaces to be coated with antimicrobial coating to protect against surface contamination and inhibit bacterial growth. Interior work area to be from a single piece of stainless-steel with large radius corners to simplify cleaning. The cabinet work area must have s no welded joints, which collect contaminants or rust. Unit front door Made of clear 5 mm thick Toughened glass, vertical sliding, with Feather touch Motorized operation, while opening the door UV Lamp will be cut "Off". And while closing the door UV Lamp will be "ON". Automatically. Side Panels: Both the sidewalls are made from double layered outer Cf & 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 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 Balance: 100% Exhaust & 0 % Recirculation. Direction of flow: Vertical. HEPA Filters: Type: Separator less type. Mini-Pleats HEPA Media. Media: Ultra clean glass fiber paper. Retention: 0.3 Micron Efficiency: 99.997%, Initial Pressure: 12 mm WG, Grade: H14 rating, Real-time display panel for remaining Filter. ISO 13485, CE, FDA certificates or equivalent.	Biosafety Cabinet class 2 type B2	15
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OCL lab - Team

		Warranty: 1 year. Installation: Successful Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Air velocity: 0.3-0.8 m/s. System exhaust volume: Max opening: 750 mm. Exterior material: 1 mm cold- with bacteria powder coating. Interior material: copper board with good acid and alkaline resistance function. (40W/L). work surface height: 900mm Noise level: 65dB Exhaust duct: PVC, standard length: 4-5 meters. 30mm proposed units should be work in electricity voltage and frequency of 220v - 230v, 50/60Hz. ISO 13485, CE certificates or equivalent.
			16	Total Number of Device	




40m³h.
rolled steel
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Food and Water Accessorie and Kits

دېپارتمنت	مقدار	مشخصات تخنیکي	نام دستگاه	تاریخ
All Dep	1	Capacity: 250 ml. Holder: Ceramic Wich. Cap: Plastic Snuff	Alcohol Burner	1
All Dep	1	Height: 8.5in (216mm). Inlet: 5/16in (7.9mm) OD serrated gas. high-temperature unit for use with an extremely hot flame and forms uniform blue heat cones with no backlash. with one-piece unit has a nickel-plated venturi 1.5in (38mm) mixing tube with monel grid and mesh backing, a knurled adjustment valve, an octagonal base. or equivalent.	Gas Burner	2
All Dep	2	Percentage Purity: 99%. Thickness: 0.3mm. Temper: Hard. Length: 7m. Width: 0.30m . Technical Name: or equivalent.	Aluminum foil	3
All Dep	2	made of polychloroprene, approx. 31 cm long, anatomical shape with good gropeability, sanitised, cotton lined, patterned for a non-slip grip, cotton 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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قيمت في واحد	قيمت مجموعى			

QCL-Lab Team

	pcs	All Dep	4	Lens Thickness: 3mm. Lens Size (Vertical): 60mm. Lens Size (Horizontal): 140mm. Overall Length (lens edge): 182mm (Approx.). Strap Length: 240mm (Approx.). Height: 7mm. 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. Stainless Steel or equivalent.
	Each	All Dep	8	Dimensions: 335 x 35 (25) x 6 (1.0) mm. Material: stainless steel or equivalent.
	Each	All Dep	8	Capacity: 250 ml. Dimensions: 60x60x160 mm. or equivalent.
	Each	All Dep	4	Capacity: 500 ml. Dimensions: 90x90x190 mm. or equivalent.
	set/12	All Dep	4	Hard nylon bristles on twisted C.I. wire, head 140 x 50 mm overall length 400 mm. or equivalent.
	pcs	All Dep	4	Water dip, 45mm soft bristles, 65 x 420 x 65mm. Material: stainless steel or equivalent.
	box (100 pcs)	All Dep	4	Volume Range: 0.5-20 µl. Length: 46 mm. The tips are graduated at 2 µl and 10 µl for quick volume check. or equivalent.

Size	Goggles	5
Want to	Manual Pipette Filter	6
Weighting Boat	Weighting Boat	7
Scapula (Metal Scoop)	Scapula (Metal Scoop)	9
Filter	Filter	10
Wet Bottle	Wet Bottle	11
Wash Bottle	Wash Bottle	12
Brush for round bottom flask	Brush for round bottom flask	13
Vial brush (Vialan Hand Brush)	Vial brush (Vialan Hand Brush)	14
Micropipette tips	Micropipette tips	15

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100 pcs)	All Dep	4	Volume Range: 50-1000 µl. Length: 70 mm. The tips should be graduated at 250 µl, 500 µl and 1000 µl for quick volume check. Color: blue or equivalent.	Micropepette tips	16
4	All Dep	4	Included a box + 1 bar retriever (150 mm). Cylindrical bars: () 3 x 12 mm, Ø 4.5 x 15 mm, Ø 6 x 20 mm, Ø 6 x 25 mm, Ø 6 x 30 mm, Ø 8 x 40 mm, Ø 8 x 50 mm, Ø 9 x 60 mm, Ø 9 x 70 mm, () 10 x 80 mm, cylindrical with rings: () 5 x 15 mm, Ø 6 x 25 mm, Ø 8 x 40 mm, triangular: Ø 8 x 25 mm, Ø 12 x 50 mm or equivalent.	Magnetic stirrer bars set	17
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.	Whatman Filter paper	18
100 pcs	All Dep	2	No: 42. Material: Circles cotton filters. Parameter: 0.22 psi wet burst 54 sec/100 mL speed. Diam: 125 mm, thickness: 220 µm. Pore size: 2.5 µm or equivalent.	Whatman Filter paper	19
100 ml)	All Dep	4	PH: 4.0 (25 °C in H ₂ O). Grade: Certified reference material. Quality Level: 35. Format: Mixture storage temp: 15-25 °C or equivalent.	Buffer solution	20
100 ml)	All Dep	4	PH: 7.0 (25 °C in H ₂ O). Grade: Certified reference material. Quality Level: 35. Format: Mixture storage temp: 15-25 °C or equivalent.	Buffer solution	21
100 ml)	All Dep	4	PH: 10.0 (25 °C in H ₂ O). Grade: Certified reference material. Quality Level: 35. Format: Mixture storage temp: 15-25 °C or equivalent.	Buffer solution	22
100 pcs	All Dep	2	Length (Metric): 200 mm. Material: Stainless Steel. Tip Style: Sharp/Round or equivalent.	Laboratory Scissors	23
184			Total Number of Items		

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QCL-Lab Team

Medicine Department Accessorice and Kits

قيمت مجزئي	قيمت في واحد	واحد	تقدير قيمت	مقدار	ملاحظات تفصيلي
		Each	Physicst-Chemistry; Microbiology, Water- Chemistry, Toxicology	3	Capacity: 250 ml, Holder (1.5m) type; Plastic Snuff, or equivalent.
		Each	Physicst-Chemistry; Microbiology, Water- Chemistry, Toxicology	3	Height: 8.5in (216mm), In (7.9mm) OD serrated gas unit for use with an external forms uniform blue heat be shield with one-piece placed venturi 1.5in (38mm) with metal grid and mesh adjustment valve, an octagonal equivalent.
		rolls	Physicst-Chemistry; Microbiology, Water- Chemistry, Toxicology	7	Percentage Purity: 99% 1 temper, Hand Length: 1 Technical Name: Aluminum or equivalent.
		rolls	Physicst-Chemistry; Microbiology, Water- Chemistry, Toxicology	7	width: 5 cm length: 75 m gm, Liquid impermeable permeable; Temperature °C or equivalent.
		rolls	Physicst-Chemistry; Microbiology, Water- Chemistry, Toxicology	7	width: 10 cm, length: 75 m gm, Liquid impermeable permeable; Temperature °C or equivalent.

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شماره	تاریخ دریافت	
1	Alcohol Burner	1
2	Gas Burner	2
3	Aluminum foil	3
4	Paraffin tape	4
5	Paraffin 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, sanitised, cotton lined, patterned for a non-slip grip, cotton flocked, high abrasion resistance, resistant to many chemical substances such as acids, bases and organic oils and fats as well as bacteriological contamination, glove can be used universally for laboratory, trade and industry, excellent abrasion resistance and thereby very long service life, size 7, 5, 8, 9 and 10 or equivalent.	Chemical Protective Gloves	9
pair	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Version: Five-finger glove, length 310 mm, Size: 16, or equivalent.	Heat- and cold-resistant gloves	7
box (100 pcs)	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	50	Colors: Milky White, Size: M Type: Powdered or equivalent	Latex gloves	8
box (100 pcs)	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	50	Colors: Milky White, Size: L Type: Powdered or equivalent	Latex gloves	9
bag (100 pcs)	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	250	Material: Non Woven, Elastic, Double Cotton, White, Weight (g/m ²): 102 ± 2g, Size: 12 inch or equivalent	Flame net	10

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					Material: 17B2. One injection High temperature sterilization washable. General anti-static Flat. Big head shoes design (open design). Two side double vent Size: 40-44 (size 10: 29 pair, size 42: 10 pairs, size 44: size 44: 20 pairs) or equivalent.
	pair	Physic-Chemistry, Microbiology, Water- Chemistry, Toxicology	50		Lens Thickness: 3mm Lens Size: 60mm Lens Size (Horizontal) Overall Length (lens edge) 1mm (approx). Strap Length: 240mm Height: 75mm Width: 85mm
	pcs	Physic-Chemistry, Microbiology, Water- Chemistry, Toxicology	24		Suitable for use with all types of and magnetic particles and solvents (UV-A, B & C sources, fluorescent or equivalent)
	pcs	All Day	7		Feature: Eco-Friendly, shockproof, tube. Style: Hand Color: White Length: 20 cm. Material: Stainless steel. Package included 1 pair
	pack (10 pcs)	Physic-Chemistry, Microbiology, Water- Chemistry, Toxicology	14		Capacity: 500 ml. Ideal for grinding application in the mm. Long about 95 mm
	Each	Physic-Chemistry, Microbiology, Water- Chemistry, Toxicology	14		

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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: 83 mm. Long about 95 mm. or equivalent	Mortar and Pestle	16
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Materials: Polypropylene. Rotary rack with solid base for safe standing. Rotary base and protects the pipettes' tips. 94 openings with different diameters for graduated pipettes and volumetric pipettes of all sizes or equivalent	Pipette racks	17
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Color: white. Material: Acrylic. Capacity: 8 pipettes or equivalent	Acrylic Pipette Stand	18
each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Volume: 1-25 ml. Color: red. Material: natural rubber or equivalent	Colored 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.	Volumetric 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 31-Inch x 65-Inch, or equivalent.	Reagent Cabinet	21

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			Each	Physic-Chemistry & Toxicology	2	Door Type: Manual Self-Close: 15 gal Dimension: W=157mm, H=1651mm, Shelf: 2 equivalent
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	21	Length: 157mm width: 20mm spoon: 23 mm spoon capacity: 25 equivalent
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Material: Stainless Steel, Diameter: 60mm Width: 60mm (Material: 100 x 10 mm equivalent)
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Color: Grey Dimension: W=110 x 56 x 75 or equivalent
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Tube: 10mm, 15mm, 40 Pieces 248 x 10mm, 10mm, or equivalent
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	1. eg. Material: Stainless Steel Tube: Material: 10mm, 15mm, 40 Pieces Top: 10mm, 15mm, 40 Pieces Set: 10mm, 15mm, 40 Pieces Material: 10mm, 15mm, 40 Pieces Material: 10mm, 15mm, 40 Pieces
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Material: 304 Stainless Steel Material: 304 Stainless Steel
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Made of zinc plated steel with joint and easy grip handles. 1 long plastic coated for a sure Maximum jaw opening: (180mm (218mm) or equivalent.

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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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			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	material: ceramic, can withstand temperatures, or equivalent.
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Diameter: 100 mm. Produces concave sphere can be used for applications in evaporating glass. Product color transparent equivalent.
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Capacity: 100 ml Diameter: 100 mm, height: 40mm. Thermal procedure and glass insulator or equivalent.
			pair	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	-	Heat Resistant: 200 °C (392 °F) equivalent.
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	1	Size: 6x6 inch. Shape: square. Material: Aluminum
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	20	Size: Frequency: 60 Hz, Voltage: 220 V, 11 mm) 85x85x21 mm or equivalent.
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	50	Size: Medium, Color: White, 18x11x11 cm (7x4x4 in) or equivalent.
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	-	Shape: Pointed end, blunt end (Metric) 15 cm. Material: Plastic or equivalent.

and extreme	Clav. Frame	2
use: The slightly uids, Material:	Wash Glass	18
on v app ly-s eas leaving	Exporating Push	19
ip a This mass: 2- equivalent	Hot Air	20
Weighting foot	Weighting foot	21
Dimension L Volume (ml):	Weighting foot	22
Weighting foot	Weighting foot	23
Length less Steel or Scoop) (Metal Scoop)	Weighting foot	24

Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Dimension (LxWxH mm): 127.71 x 85.43 14.10 columns; rows: 12.8 Bottom: round, or equivalent.	96 well plate	15
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Length (Metric): 250 mm, Tip type, Rounded autoclavable at 121°C or equivalent	Forceps	16
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Temperature Range: -10 to 100°C Division: ≤2 °C Type: Mercury-in-Glass, Length: 16 cm or equivalent	Thermometer	17
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Dimensions: 333 x 33 (25) x 6 (10) mm Material: stainless steel or equivalent	Rule	18
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Dimensions: 1000 x 25 x 10 mm Material: Polystyrene or equivalent	Polymer Chloride Stirring Rods	19
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Capacity: 250 ml, Material: Polyethylene Mesh Diameter: 38mm Graduations: Increments: 100ml, or equivalent	Stirring Rod	20
Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Capacity: 250 ml, Material: Polyethylene Mesh 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

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			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Size: 10 inch, Overall Length: Overall Width: 16mm, Material: Carbon Steel or equivalent
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Size: Universal, Large jaw 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, Neodymium magnet holds Premium Stainless Steel in it
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	14	Material: Stainless Steel 304, Material: Stainless Steel 304, Dimensions: 2.04"W x 8.5"H
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Metal Type: Stainless Steel, professional: Portable, Beverage Drink (Dinner)
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	Material: High Density Plastic, Capacity: Netter: 20 L, N.H: 36" x 165 x 485 mm
			Each	Physic-Chemistry, Microbiology, Water-Chemistry, Toxicology	7	For filter paper dia (mm) plastic or equivalent.
			pcs	All Dep	7	flaring protection band, protection band waveband

365mm at High	Uniformity	54
cap with For cap with ben	MTL1: FUNCTIONAL VIAL OPTIMR	55
High- on opened of opened	Push And Pop Magnetic Bottle Opener	56
sin Blade et on equivalent	Stainless Steel Abrasive (30 Sawyer	57
in opened est High equivalent	Crystalline	58
ylene visions of A A equivalent	Male Neck Irritant with Th colored connector	59
150 tubular 150	Panel with internal	60
and Hecure equivalent	Leaving Protection and waveband	61

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

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		box (100 pcs)	All Dep	7	Volume Range: 50-1000 µl The filter should be graduated in 50 µl and 100 µl for quick volume change or equivalent.
		pcs	All Dep	7	Top and middle plate hole diameter: 7.9mm. Bottom plate drain holes diameter: Distance between top plates: 10.5cm. Sterile autoclavable or equivalent.
		pcs	Microbiology & Toxicology	3	Volume Range: 0.5 to 300 µl Adjustable Channels: 8 or equivalent.
		set	All Dep	7	Included in box: 1 bar tubes (Cytoblast cell bars: 6) 3 x 12 mm, (C) 6 x 20 mm, (C) 6 x 35 mm, (C) 8 x 40 mm, (C) 8 x 50 mm, (C) 9 x 70 mm, (C) 10 x 80 mm, (C) 12 x 100 mm, (C) 12 x 120 mm, (C) 12 x 140 mm, (C) 12 x 160 mm, (C) 12 x 180 mm, (C) 12 x 200 mm, (C) 12 x 220 mm, (C) 12 x 240 mm, (C) 12 x 260 mm, (C) 12 x 280 mm, (C) 12 x 300 mm, (C) 12 x 320 mm, (C) 12 x 340 mm, (C) 12 x 360 mm, (C) 12 x 380 mm, (C) 12 x 40 mm, triangular (C) 12 x 50 mm or equivalent.
		pack/100 pcs	All Dep	7	Note: 1. Material: Circles cotton. Parameter: 0.22 psi wet burst speed. Diam: 125 mm thickness: 1.5 mm. Pore size: 11 µm or equivalent.

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70 mm 1.500 ml 5.000 ml	Microprocessor channel	68
Permanent		69
Microprocessor channel		70
Microprocessor channel		71
Whitman filter paper		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: 20-25 µm or equivalent.	Whatman filter paper	73
pack/100 pcs	All Dep	7	No. 42, Material: Circles cotton filters Parameter: 0.22 psi wet burst 5 l/sec 100 ml, speed, Diam: 125 mm, thickness: 270 µm, Pore size: 2.5 µm or equivalent.	Whatman filter paper	74
pack/100 pcs	All Dep	7	Pore size: 0.45 µm, Material: Mixed cellulose esters, Diameter: 47 mm or equivalent.	Membrane filter paper	75
pack/100 pcs	All Dep	7	Pore size: 0.45 µm, Material: Nylon Diameter: 30 mm or equivalent.	Syringe filter, Nylon Syringe filter	76
pcs	Toxicology and Physico- chemistry	7	Material: Stainless Steel Syph. Mesh Size: 18 mesh test sieves, Diamet.: 70 mm, Height: 60 mm or equivalent.	Plastic Remover	77
pcs	All Dep	7	Measurement ranges: 0 to 100% r.h., 30 to 100 °C, Resolution: 0.01% r.h., 0.1 °C, Accuracy: ±2.0% r.h. at 25 °C, ±0.5 °C at 25 °C, Display: dual LCD or equivalent.	Digital Hygrometers	78

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						Display: Digital 16 Digits 1.1" Power Dimensions (L x W x H) 8 x 140 mm 150 Steps Check: 100% Battery 1x LR 11 With Remote & Review go to function-connectivity equivalent	7				
			Each	Toxicology and Physico-chemistry	10	2	Measuring range: 0.01-0.100, overall length around 250 mm, equivalent.				
			Bottle (500ml)	All Dep		7	PIE: 4.0 (25 x 11 x 17) mm (C) reference material (200 µl) 100% Format: Absorbance storage (equivalent).				
			Bottle (500ml)	All Dep		7	PIE: 7.0 (25 x 11 x 17) mm (C) reference material (200 µl) 100% Format: Mixture to 400 nm, 5 equivalent.				
			Bottle (500ml)	All Dep		7	PIE: 10.0 (25 x 11 x 17) mm (C) reference material (200 µl) 100% Format: Mixture storage (equivalent).				
			pes	All Dep		7	Length: 100 mm, Width: 10 mm, Steel, Tip Style: Sharp Round				

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Two Way 30.1 x 12.3 Side Keys & Auto Lock	Cellulose	79
Class Acetohexen/Hydrox acet	80	
Hydrox solution	81	
Hydrox solution	82	
Hydrox solution	83	
Hydrox solution	84	
Hydrox solution	85	
Hydrox solution	86	
Hydrox solution	87	
Hydrox solution	88	
Hydrox solution	89	
Hydrox solution	90	
Hydrox solution	91	
Hydrox solution	92	
Hydrox solution	93	
Hydrox solution	94	
Hydrox solution	95	
Hydrox solution	96	
Hydrox solution	97	
Hydrox solution	98	
Hydrox solution	99	
Hydrox solution	100	

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roll	All Dep		7	Range: 1-14, Pack Size: 5m x 7m Roll or equivalent	PH Indicator papers	85
box/set	All Dep		1	Path length mm: 10, Type: Macro with lid Material: glass, Absorbance in the Visible range at 440nm, 465nm, 516nm, 590nm and 635nm wavelengths, Wavelength in the UV and visible range at 279,3nm, 360,9nm, 433,5nm, 536,3nm and 637,6nm or equivalent.	Spectrophotometer Calibration Standards	86
box (4 pcs)	All Dep		1	Polished Window: 2, Capacity: 100 ml Outside Dim. (mm): 45 x 13 x 135, Path Length (mm): 10, Inside Width (mm): 10 or equivalent.	Standard UV quartz cuvette with lid	87
pcs	All Dep		7	Plate size: 80 x 75 mm, Max. Sample Load Capacity: 30 kg, Working height: 10, 11, 12 cm, Color: blue or equivalent.	Plates (Bo)	88
Each	All Dep		7	Capacity: 40 L. or equivalent	Roll pedal bin	89
each	All Dep		7	Maximum usable capacity: 10 L, Material: PP, With handle or equivalent	Pure water storage tanks	90
each	All Dep		7	Maximum usable capacity: 25 L, Material: PP, With handle or equivalent	Pure water storage tanks	91



[illegible]

A hand-drawn diagram of a kidney, showing the outer capsule, the internal renal cortex, and the renal medulla with its pyramids. The diagram is labeled with 'A' and 'B'.

					Print Method: Direct thermal transfer, Display: LCD with touch screen, Connectivity: Ethernet, 2.32 USB Host, Wireless: Bluetooth, Type: Desktop, Max. Print Speed: 110 mm/s, Max. Print Length: 2.66m, RAM: 1 MB SDRAM, Keyboard: Standard keyboard or equivalent
	ench	All Dep		1	Volume: Range: 0.5ml-50ml, Pressure max: 500mmHg, Volume: 100ml, Temperature max: 37°C or equivalent
	ench	All Dep		2	Used in many organic and inorganic solutions. Materials in contact with the device are suitable at 121°C/12.1 min. DIN EN 183, ppm threaded, 1.5m, suction tube, no quality certificate and instructions. Sealed volume 1-10 ml. (1.25, 0.28, 0.12, 0.05, 0.01, 0.005) available for sale in Spain




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Serial RS- connectivity? Print speed: in Width:	Label printer	1
Printed in color	Printed in color	0
Printed in black and white	Printed in black and white	0

11/30/7024

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: 250 bar or equivalent.	CO2 fire extinguisher	97
each	All Dep	1	Washing Capacity (kg): 18, Drying Capacity (kg): 11, Door: Tint Door, Panel Display: AI Control, Spin Speed: 1100 rpm, Noise control: VRT Plus™ technology, Bubble technology, Net weight: 97 kg or equivalent.	Clothes washing Machine	98

1218

Total Number of Items

Gelen Tarih Sayı: 20.08.2025 - 3038

3

QCI-Lab Team

Medicine Devision

Physicochemical Department

قیمت مجموعی	قیمت فی واحد	وراثتی، نصب و تربیتینگ	مقدار	واحد	مشخصات فنی
		Warranty: 1 years. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Etch	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: (over than 60 MPa. Pump Mode: gradient system isocratic mode. Column (Oven: Thermostat system $\pm 0.1^\circ\text{C}$ and methods for purging must be available. The total purging must be provided along with the system. The system must be easy to operate with the tools provided. After operation for maintenance must be provided. It is preferable that the 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 from 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 samples into the LC system with an interruption of the operation. The autosampler must be able to hold vials (approximately 1.5 ml. with screw and septa) that are interchangeable with standard HPLC vials provided by other vendors. Columns: Standard and guard column with guard column according to the HPLC. The software system controlling all the aspects of the HPLC system mentioned above must be provided (original disk or copy).

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			(C/D). The software should have the capability of different display parameters during the run of a sample. The post run data analysis should be available in the same software where the chromatogram of a run sample must 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. ISO 13485 CE, FDA certificates or equivalent.	
Each	1	Beam Splitter : Multilayer Dielectric KBr. Detector Room temperature DLATGS mode (standard). IR source High intensity, Long lifetime, air-cooled IR source. Wavenumber range: 7800 cm ⁻¹ to 350 cm ⁻¹ Resolution : 0.85/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.	FTIR Spectrophotometer	2

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QCL-100 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 190 - 1100 nm. Wavelength accuracy : ± 0.02 nm Source : Halogen Lamp, Deuterium Lamp, Spectral Bandwidth: 1 nm. Scanning Speed 10 - 8000 /min supply: AC 100-240 V , 50/60 Hz. ISO 13485. C certificates or equivalent.
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Gelen Tarih Sayı: 20.08.2025 - 3038

Belge
No: 3038
Tarih: 20.08.2025

UV-Vis Spectrophotometer

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Successful training, on-line minimum	1	Each	Basket: autobasket type A and type B Temperature: 15-50 °C. Screen: touch screen. Lift drive: step motor. Speed: 30 ±1%. 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.	Automated disintegration tester	4
Successful training, on-line minimum	1	Each	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.	Dissolution tester	5
Successful training, on-line minimum	1	Each	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: LC. Test drums: 2 (TAR 220). Automatic removal of tablets. Voltage: 100 - 240 V / 50 - 60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Friability tester	6

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QCI Lab Team

		Warranty: 1 years. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Air velocity: 0.3-0.8 m/s. System exhaust volume: 1140m ³ /h. Max opening: 750 mm. Exterior material: 1.5mm cold-rolled steel with bacteria powder coating. Interior material: compact material board with good and alkaliresistance function. Lamp: LED (40W x 1) surface height: 900mm. Noise level≤68 dB. Exhaust PVC standard length: 4.3 meters 300mm. The product units should be work in electricity voltage and frequency of 220V - 230V, 50/60Hz, ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 years. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	pH range: 0 to 14, mV: ±100V, Accuracy: ±0.02, operating temperature: 5-40 °C. Calibration: 1-3 points automatic calibration with calibration in solution and self-check. Temp. measuring range: 0 to 100 °C. Power Supply: 230 volt, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 years. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring range: 0.0001g-200g Readability: 0.1µg 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.

Gelen Tarih Sayı: 20.08.2025 - 3038

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

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1	Each	Temperature range : 50-500 °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	Each	Tank capacity: 8 L, Tank size (mm): 300x240x150, 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	Each	It should be a small foot print battery powered with a single Eyepiece with digital display Measurement of liquid, and viscous samples, regardless of their turbidity, viscosity, transparency and absorption, Measurement prism: Optical glass, Light source: LED (Approximating to wavelength of D-Line), Wavelength: 589 nm, Scale: Refractive Index & Brix, Measurement Range: Refractive index (nD): 1.3000 to 1.7000 Brix: 0.00 to 95.00% (5 to 75 °C ATC), Measurement Accuracy: Refractive Index (nD): 0.0004 Brix: 0.03%, Temperature control range: 5.0 to 75.0 °C, Calibration standards: Calibration block: 1 No and contact solution (1-Bromonaphthalene) and any other standard solutions, Power Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent	Abbs digital Refractometer	12

Gelen Tarih Sayı: 20.08.2025 3038

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

		Warranty: 1 years. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	RPM range: 50-5000 RPM. Increment range: 5 RPM facility: 1 min to 1.5 min or beyond. Rotor capacity: 1200 ml (5 - 15 ml). Rotor type: fixed angle rotor. Power Supply: 230 volt, 50/60 Hz, ISO 13485, CE, FDA certificates equivalent. Complete Programmable each parameters
		Warranty: 1 years. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring method: Infrared heat drying mass measurement Sample pan size: $\phi 150$ 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. Drying modes. Predictive Measuring mode Drying heater: Mid-wave infrared quartz heater Setting temperature range: 30°C to 180 °C (by 1°C increments) Dimensions & weight: W220xD415xH190 (mm), 4.5 Kg Operational temperature and humidity range: range: 5 °C to 40°C, 85% RH maximum Standard accessories: Sample pan 2 pcs, sample pan windbreak case, sample pan, handler 2 pcs, aluminum sheet 20 pcs, spoon, spatula. Power supply: AC V . 50/60 Hz, ISO 13485, CE, FDA certificates equivalent.

QCI-Lab Team

Gelen Tarih Sayı: 20.08.2025 - 3038

mer have : (00)	Digital Control Centrifuge	13
Electronic moisture balance		11

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years. Successful at the training, on- mensive a minimum personnel system	1	Each	Range: Conductivity: 0 μ S/cm - 2000 μ S/cm; TDS: 0 - 2000 μ g/L or ppt; Temperature: 0 - 100 $^{\circ}$ C; Resolution: Conductivity: 0.01 μ S/cm - 200.0 mS/cm; TDS: 0.01 mg/L or ppm to 0.1 μ g/L or ppt; Temperature: 0.1 $^{\circ}$ C; Accuracy: Conductivity: $\pm$ 1% full-scale; TDS: $\pm$ 1% 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.	Bench top Conductivity & TDS Meters	15
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		Warranty: 1 years. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Design Ignition: Must designed in strict accordance with the test method ASTM D93, Method A and B. Automatic movement of head for closing and opening of the cap. Microprocessor controlled unit with digital easy to read display of the results. Ignition: Electric ignition and should also provide an automatic reignition facility. Electric Ignitor should be encapsulated. Detection: Thermal detection (with metal sample temperature of the flash to eliminate interference from water or silicone containing compound. Measuring Range: 1 point Ambient to 350 °C or more. Heating System: rate: 0.5 °C to 12 °C/min. Heating should be microprocessor controlled at the specified rate. Temperature Measurement: Rugged metal and integral Pt 100 probe with built-in calibration, min 5 calibration points. Temperature calibration: Resistance check temperature calibration with calibration certificate from ISO 17025/NABL, acceptable laboratory. Sample Stirrer: Automatic stirrer test method or user-defined from 0 rpm to 250 rpm or more ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 years. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Display type: Built-in-Display. Measuring range: dynamic viscosity: 0.2 to 30000 mPa.s. 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 standards each at various temperatures. Control system: Interfaced x USB, 1 Ethernet 1 x CA Bus, 1 x RS-232, 1 x VFD Spindle/Speed combination: 18 or more ISO 13485, CE, FDA certificates or equivalent.

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Gelen Tarih Sayı: 20.08.2025 - 3038

15	Melina P. 001 apparatus	17	Viscosimeter
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2	Each	Speed Range: 50 rpm to 2000 rpm. Stirring Capacity: 4L. temperature range: 80-380 °C. Maximum load: 15 to 20 KG. Body Material : Polypropylene. Corrosion resistant surface and panels. A design that prevents liquid spillages from entering the instrument. Digital Output connectivity: RS232. Retort stand attachment(s). Set safety temperature limit displayed digitally. Power supply: AC 100-240 V ; 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Hot plate with Magnetic stirrer	18
1	Each	Measuring Mode: Optical Rotation. Specific Rotation. Specific Rotation Plus Concentration. Sugar Scale °Z(ISS). Display: On screen LCD / LED (touchscreen). Accuracy: 0.001 deg Arc or better. Measuring Range: ± 89.9 deg Arc Optical Rotation, ± 999.99° Arc Specific Rotation, 0-99.9% Concentration. Optical Wavelength: 589 nm Na and Tungsten-halogen or Hg- Lamp (for 633 nm) / 578 nm / 546 nm / 136 nm / 405 nm, Light Source: Sodium/Tungsten-halogen/LED with life time 100,000 h of operation, Prism: Glau Thompson Calcite prism with life time Guarantee. Detector: PMT. Calibration Automatic: Calibration In-built via touchscreen, Calibration Standards: Certified values of Certified Reference Materials (CRM) provided by an accredited Reference Material Producer with stated metrological traceability to the SI for sugar solutions. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Automated digital polarimeter	19

Gelen Tarih Sayı: 20.08.2025 - 3038

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QCL-Lab Team



		Warranty: 1 year. Installation: Successful laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed range: 30-400rpm, Heavy duty maximum Power Supply: 100-230 V , 50/60 Hz, ISO 13485, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measurement Range: 0 to 100 % r.h. -30 to 100 °C Resolution: 0.01 % r.h. 0.01 °C Accuracy: +/- 2 % r.h. 25 °C, +/- 0.5 °C at 25 °C; Response time % r.h. 10 sec. (90 % @ 25 °C air temp.) Power Supply: AC 100 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring range: 0-3g /cm ³ Temperature range: -50 to 150 °C Pressure range: 0 to 10 bar Density accuracy: ± 0.0001 g/cm ³ Wetted part: Borosilicate glass, PTFE Minimum sample volume: 1ml Power Supply: 100-230 V, 50-60 Hz, ISO 13485, CE, FDA certificates or equivalent

Gelen Tarih Sayı: 20.08.2025 - 3038

ad 6kg CE	Ortinal Laboratory Shaker	20
é f Mat pou 10 -2.5 V valent	Hygro meter	21
1.5 ±0.001 35. C.F.	Density meter	22

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23	External dimension (mm): 524x1067x574, Inner dimension (mm): 483x853x560. Dehumidification system: H2O electrolysis discharge by solid polymer electrolytic dehumidification element. Dehumidified ability: When 30% rh is set). Within 8 hours. • Humidity Range: 10 to 60% RH, 0 to 60 °C/10 measurement range 60 %RH. Temperature and humidity sensors: Temperature/humidity elements, humidity/resistance 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	Each	Digital Dry Desiccator	23
24	Thin Layer Chromatography (TLC) Plates 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.	Each	Thin Layer Chromatography (TLC)	24

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QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature range: -12 to 24 °C. Capacity: Range: 22 cubic feet. Door Swing: Left Hinge. Double-Swing Power Supply: 100-230 V, 50/60 Hz. ISO 13485 FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Height: 68 in. Depth With Door Open 90 Degree: 50 Depth: 31 in. Capacity: 17. Cabinet Width: 28.0 in. Refrigerator Volume: 13.66 cu ft Door Style: Compound Handle Material: Plastic Location of Controls: Horizontal Top Front. Deli Drawer: 1 Flexi-Slide Bin. Door Features: Fixed Full-Width Lighting LED. Features: LED Lighting, EZ Connect IceMaker Kit Compatible, 100% Slide Bin. Humidity-Controlled Crispers. ISO FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed Range: 200 to 3000 rpm. Material: Rubber Platform. Dimensions (L x W x H): 8.1 x 5.9 x 120.5 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.

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Freezer (-20)	25
Refrigerator	26
Digital Voltin metre	27

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1	Each	Capacity: 500 mL, Units: 6, Speed Range: 0-1200 rpm, Total watts: 1800 W, Dimension HxWxL (mm): 210x300x1200, Power Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.	Heating Mantle	28
1	Each	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 (pl.S, Waste bottle, Borosilicate 1000ML, glass (with drain) Funnel lid: PP, System, complete set includes: VP-17, Vacuum Pump, MF 31, Filtration Set, Silicone Tube (1m), Power Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.	Vacuum Filtration System	29
1	Each	Measuring Range: 0-150 millimeter or 0-6 inch, Resolution: 0.01 millimeter or 0.0005 inch, Repeatability: 0.01 millimeter or 0.0005 inch, Maximum measurement speed: 1m/s 150-13485, CE, FDA certificates or equivalent.	Digital Vernier Caliper	30

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		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	It should be a small foot print battery powered with 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 (Approximate wavelength of D-L line). Wavelength: 589 nm. Scale: Refractive Index & Brix. Measurement Range: Refractive index (nD): 1.3000 to 1.7000 Brix: 0.00 to 95.00% (11 to 75 °C ATC). Measurement Accuracy: Refractive index (nD): ±0.0004 Brix: 0.03%. Temperature control range: 0 to 75.0 °C. Calibration standards: (calibration block, and contact solution (1-Bromonaphthalene) and any standard solutions. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature Range: 5 to 40°C. Humidity: 0 to 80% relative humidity. Viscosity limit: < 50 cP. Sample 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: 25 to 600 µm (chemical compatibility). Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.




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Digital Refractometer	11
Liquid Particle Counter	12

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

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

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36	Sonhlet Extractor Apparatus	Water Bath	38
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1	Each	Application: acid-base titration, redox, precipitation, complexation, dead-stop, Karl Fischer moisture method of determination; potentiometric, dead-stop and Karl Fischer ISO 13485, CE, FDA certificates or equivalent.	Automatic Titrator	30
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		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Max Irradiance: 250 mW/cm², Wavelengths: 365 nm/395 nm, 405 nm, Electrical Power Input: ~ 100W Main Supply: 100-240V AC, Interior Dimensions: 300mm x 300mm x 360mm, Power Supply: 100-230 V, 50/60 Hz ISO 13485 (CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measurement range: 3 - 500 N (± 1 N), Measurement range: Diameter, Length (2 - 23mm (± 0.05mm), 2 - 20mm (± 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 3.00mm/sec, constant force Measurement principle: 200 N sec, Power supply: 100 - 240 V / 50-60 Hz, Hardness testing of up to 5 parameters for all kinds of tablets, Parameters: Hardness testing, Weight, Thickness, Diameter/Length, Width, Display: Touch, Separation drum/ Vibrating separation system, Alignment threshold (electronic, adjustable), Positioning arm for oblongs, (Oblong Navigator, ISO 13485, CE, FDA certificates or equivalent.
			44		Total Number of Devices




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Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
Evrak sorgulaması: https://odabosagsys.tobb.org.tr/tso-merkezkoy-envision/Validate_Doc.aspx?eD=BSNLRC4RZ&eS=3038 adresinden yapılabilir. (PIN:68332)

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QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training, on-site comprehensive training for a minimum of two		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 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 area to be from a single piece of stainless-steel with all radius corners to simplify cleaning. The cabinet work must have s no welded joints, which collect contaminants or rust. Unit: Front door: Made of clear 5 mm thick Toughened glass, vertical sliding, with Feather touch Motorized operation, while opening the door (ON) will be cut "OFF". And while closing the door (OFF) will be "ON". Automatically. Side Panels: Both side walls are made from double layered outer (3mm) stainless steel with return air plenum in between. It 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 length 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 cabinet shall be ergonomically designed for maximum user comfort and adjustability. Fall-safe system to ensure
			1	Each




Gelen Tarih Sayı: 20.08.2025 - 3038

Biosafety (ab) class 2
type IV

4

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			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.	
Successful of the training; on- recensive minimum personnel the system	1	Each	Chamber: Vertical loading type chamber with service basket. Chamber size: 80 -120 L. Gauges: Should have a water level gauges. Display: Fully Automatic PID control $\pm 0.1^{\circ}\text{C}$. LED display for temperature and remaining time. Operation temperature 140°C . Temp accuracy ± 0.5 at 121°C . Operation time pressure $15-20^{\circ}\text{C}$. Timer: Auto in the start and stop timer. Must have safety warning alarm. Must have Nursery accessories. Must be with calibration certification ISO 13485, CE, FDA certificates or equivalent.	Vertical Autoclave

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	Warranty Installation Installation Laboratory Site Training of Scientific Operating



QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed Range: 50 rpm to 2000 rpm. Stirring Capacity temperature range: 80-380 °C. Maximum load: 1.5 kg KG Body Material : Polypropylene Corrosion resistant surface and panels. A design that prevents liquid spillages from entering instrument. Digital Output connectivity: RS232. Retort stand attachment(s). Set safety temperature limit displayed digitally. Power supply: AC 160-240 V , 50/60 Hz, IS() I 3485, CE certificates or equivalent.
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Gelen Tarih Sayı: 20.08.2025 -3038

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Hot Plate with Magnetic Stirrers		
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11/30/2024

Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır. Evrak sorgulaması https://odorsaebyss.tobb.org.tr/tso-cerkezoy-envision/Validate_Doc.aspx?eD=BSNLR4RZ&eS=3038 adresinden yapılabilir. (PIN:68332)		1 Each	Head: Binocular. Body: Body-Single mold sturdy stable base stand, inclined Binocular body 30°, 360° rotatable head with focus adjustment controls. A durable textured acid resistant finish. All metallic parts should be corrosion-proof, acid proof and stain-proof. Optical system: Optical system should be infinity corrected. Built-in LED light source with white light with intensity control and 110 life of more than 10,000 Hrs. Objective: Parfocal, antifungal coated 4x, 10x, 40x and 100x (oil immersion) with semi planner achromatic correction. Objective should be well centered even if their position on turret is changed. 10x, 40x and 100x objectives should have numerical apertures of 0.25 and 0.65 respectively. 100x should have numerical aperture of 1.25 and should be of oil immersion. Unbreakable containers to be provided for storing the objectives. Nose piece: Backward tilted revolving nose piece suitable to accommodate four objectives with click stop. It should be provided with rubber ribbed grip for easy rotation mounted on a precision ball bearing mechanism for smooth and accurate alignment. Extra ports if any should be fitted with dust& fungal proof metallic/ebonite caps. Stage: Stage uniformly horizontal, mechanical stage having dimensions of length 140 mm (+/- 20mm) with fine Vernier graduations. It should be designed with convenient sub-stage vertical coaxial adjustment for slide manipulation. Sub-stage condenser: Abbe-type condenser with numerical aperture (N.A.) 1.25 focusable with rack and pinion arrangement incorporating a spherical lens and an iris-diaphragm. Sub-stage illuminator: The system should have a build-in variable light source (Illuminator). Microscope should come along with PC (i5 6200U processor). Power Supply: AC 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Digital Microscope with PC station
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Gelen Tarih Sayı: 20.08.2025 - 3038

Warranty:
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QCL Lab Team

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

Gelen Tarih Sayı: 20.08.2025 - 3038

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Successful training: on- average a minimum of 100 cycles	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
Successful training: on- average a minimum of 100 cycles	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
Successful training: on- average a minimum of 100 cycles	1	Each	Material of construction: Full Stainless-steel fabricated body with duly heat cured epoxy coating. Display and counting: It should consist of: Digital display up to 4 digits with confirmation by audible tone. It should consist of Magnifying lens (greater than 2X magnification with digital marking pen). Accepts petri dish up to size 140 mm diameter with a centering adaptor for standard 90 mm petri dish. Glare free viewing low energy bright LED's. A switchable black background viewing translucent and difficult to see colonies. Zero reset button. Power supply: AC 100-230 V , 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Digital Colony counter	12

Gelen Tarih Sayı: 20.08.2025 3038

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

QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature range: -12--24°C Capacity Range: 1 cubic feet Door Swing: Left Hinge, Double-5.5 in Power Supply: 100-230 V, 50/60 Hz, ISO 13485 FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Height: 68 in. Depth With Door Open 90 Degree: 34 in. Capacity: 17. Cabinet Width: 28.6 in. Refrigerator Volume: 13.66 cu ft. Door Style: Handle Material: Plastic Location of Controls: In Handle Up Front Left Drawer: 1 Flexi Slide Bin. Door: 1 Fixed Full-Width. Lighting: 1 LED. Features: 1 LED Lighting, EZ Connect Lockdown Key Compatible Slide Bin. Humidity-Controlled Crispers. ISO 13485 FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed Range: 200 to 3000 rpm. Material: Running Platform. Dimensions (L x W x H): 8.1 x 5.9 x 20.5 x 15.1 x 13.1 cm). Timer Range: 1 to 99 minutes. Continuous. Power Supply: 100-230 V, 50/60 Hz, ISO 13485 FDA certificates or equivalent.

Gelen Tarih Sayı: 20.08.2025 -3038

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

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

Gelen Tarih Sayı: 20.08.2025 3038

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Warranty: Installation Installation Laboratory site comp training fo of two scientific operating t		



QCL-Lab Team

Medicine Toxicology Department

قيمت مجموعي	قيمت في 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	11.C Plate Cutter size: 200x206 mm. Drying Rack 11.C plates with the formats 200 x 200, 200 x 100 x 50 mm. Simultaneous Separating Chamber: The width grooves in the transverse walls should hold up to x 200 mm 11.c plates. Desiccator Opener: This device should be suitable for all sizes of desiccators. Thin Chromatography Filter Paper: Capillary Dispenser Pipettes: The pipettes should fill automatically and are dipped into the sample liquid. Micro (apertures) accuracy should be better than 1%. (11.C 304) CE ISO 13485, CE, FDA certificates or equivalent
		Warranty: 1 year. Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Fully PC based Atomic Absorption Spectrophotometer both flame and furnace system automatic operation. Detector: SiD sensors, Light Source: Hollow Cathode (HCL). Background Correction: Deuterium. range: 185-900 nm. Optical Design: Czerny. Wavelength Spectrometer. Wavelength Precision : 0.005 nm. A suitable computer system must be provided (the system that can handle all the operations. Power supply: 240 V , 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.

Gelen Tarih Sayı: 20.08.2025 - 3038

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

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year. Successful the on- ensive minimum personnel system	2	Each	Measuring range: 0.0001g-220g, Readability: 0.1mg, Tare Range: Full, Linearity: 0.2mg, Response Time: 3 sec, Automatic Internal Calibration, PC Interface, USB, Calibration Certificate with calibration weight set, Operating Temperature Range: 10° to 40 °C, Power supply: AC 100-240 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.	Analytical Balance	3
year. Successful the on- ensive minimum personnel system	1	Each	Hand / Motor lift, hand lift, Height adjustment speed: manual, Height adjustment: 155 mm, Rotation speed: 10-280 rpm, Rotation speed setting: 3.5" LCD display, Driver: brushless DC motor with electronic speed control, Heating capacity: 1300 w, Temp. range heating bath: 20-210 °C, Temperature accuracy bath: 1, Overheat protection bath, cut-off at 5 °C over set temperature via separate Pt 1000, Bath temperature setting: 3.5" 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.	Vacuum Rotary Evaporator (it included vacuum pump and water chiller)	4

Gelen Tarih Sayı: 20.08.2025 - 3038

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QCL-Lab Team

		Warranty: 1 year. Installation: Successful laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed Range: 50 rpm to 2000 rpm. Stirring Capacity: temperature range: 80-380 °C. Maximum load: 15 KG. Body Material : Polypropylene. Corrosion resista surface and panels. A design that prevents liquid spila from entering the instrument. Digital Output connecti RS232. Retort stand attachment(s). Set safety tempera limit displayed digitally. Power supply: AC 100-240 V 50/60 Hz. ISO 13485, CE, FDA certificates or equiva
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Gelen Tarih Sayı: 20.08.2025 - 3038

41. 20 m	Hot Plate with Magnetic Stirrers	5
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1	Each	Volume : 20 Lt. Temperature range: 15-100 C. Temperature Resolution Ratio: 0.1 C. Power: 2 KW. The proposed units should be work in electricity voltage and frequency of 220v - 230v, 50/60Hz. ISO 13485, CE, FDA certificates or equivalent.	Water Bath	6
1	Each	RPM range: 50-5000 RPM. Increment range: 5 RPM. Timer facility 1 min to 15 min or beyond. Rotor capacity: 12 or more (5 - 15 ml). Rotor type: fixed angle rotor. Power Supply 100-230 volt , 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent. Complete Programmable each parameters	Digital Control Centrifuge	7
1	Each	Temperature range: -12--24°C. Capacity Range: 24 cubic feet. Door Swing: Left Hinge, Double-Swing. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Freezer (-20)	8

Gelen Tarih Sayı: 20.08.2025 -3038

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		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Height: 68 in. Depth With Door Open 90 Degree: 17 Depth: 31 in. Capacity: 17. Cabinet Width: 28.0 in Refrigerator Volume: 13.66 cu. ft. Door Style: (on door) Handle Material: Plastic. Location of Controls: Inert Lip Front: Deli Drawer: 1 Flexi-Slide Bin. Door Bins Fixed Full-Width. Lighting: LED. Features: LED Lighting: EZ Connect Iceemaker Kit Compatible, Flexi Slide Bin, Humidity-Controlled Crispers, Power Strip 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certified equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Ph range: 0 to 14. mv: ± 199. Accuracy: ± 0.2 temperature: 5-40 °C. Calibration: 1-3 points and 100 calibration with calibration instruction and self Temp. measuring range: 0 to 100 °C. Power: 50/60 230 volt . 50/60 Hz. ISO 13485, CE, FDA certified equivalent.

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0 in	Refinerator	9
Refinerator	Benzinli motor	10

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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.	Each	1	UV-Vis Spectrophotometer	11
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	Each	1	Drying Oven	12
Total number of device				
		14		

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Warranty: Installation Installation laboratory site compri training fo of two scientific p operating		Warranty: Installation Installation laboratory site compri training fo of two scientific p operating	
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QCL-Lab Team

QCL-Lab Team

Cosmetic Department

قیمت مجموعی	قیمت فی واحد	وراثی: نصب و تربیتی	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	Detector: PAD or DAD . Wavelength range (190nm - 800nm) The DAD detector must have a flow cell that can be cleaned if necessary. Pump: a quaternary pump system with the capability of 4 solvents as mobile phase. These solvents may be used or individually or in any combination. Flow rate (0.001 - 10mL/min, flow rate accuracy : 1 %. Operating pressure than 60 MPa. Pump Mode: gradient system or isocratic mode. Column Oven: Thermostat system (2 °C - 90 °C) The system must have an in-built degasser, a heat exchanger and methods for purging must be available required for the purging must be provided along with the system. The fittings must be easy to operate with the provided. Appropriate tools for maintenance must be provided. It is preferable to have some leak detection system consumables (such as inline filters) must be provided. Autosampler: can inject samples into the LC system with volumes ranging from 0.1 microliters to 100 microliters. The autosampler must be capable of holding at least 100 vials and must allow for programmable automated injection of these these samples into the LC system without the operation. The autosampler must be able to work with (approximately 1.5 mL with screw cap and septa) and interchangeable with standard HPLC vials provided by vendors. Column: Standard and suitable column with column according to the HPLC system. A software system controlling all the aspects of the LC system.

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شماره	نام دستگاه	تاریخ
1	HP LC-MS	

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system mentioned above must be provided (original disk or Drive or CD).

The software should have the capability of different display parameters during the run of a sample. The post run data analysis should be available in the same software where the chromatogram of a run sample must be available for analysis. Data analysis must include standard chromatogram operations such as area, height, width and percentage estimation. The software system must also allow the easy integration of calibration data into data analysis methods. The software must be able to perform spectral analysis for UV-visible, fluorescence and RI detectors. The software data analysis system must also allow for the integration of UV spectral library information for automatic matching of the peaks with reference spectra, even if this might not be standard features. If this UV spectral matching feature is available.

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

UPS system more than 30 min backup.

A generic C-18 column must be provided that can separate a mixture of polycyclic aromatic hydrocarbons. A tubing kit and maintenance tool kit must be provided along with the system.

Double Quadrupole : Mass range : m/z 10-2000 Mass Stability : 0.05u/12h, polarity switching time: 15 msec, Scan Speed: 15000 u/sec, Application flow rate, ESI 1 µL/min to 2 mL/min, NRI V transmission speed: Max 555 channels / sec, DL maximum temperature: 300 C, Block heater maximum temperature: 500 C

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

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Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır.
<https://odadorsaebyss.tobb.org.tr/go-berkezkay-envision/validate-Doc.aspx?eD=BSNLC4RZ&eS=303>

Gelen Tarih Sayı: 20.08.2025 - 3038

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QCL-Lab Team

					Repeatability: $\pm 1\%$ Sampling and valves: Diaphragm valves, diaphragm piston valves, sliding vane rotary valves, slider valve liquid injection valve Auto sampler for liquid injection 10ul syringe adapter Rinse with two different solvents; Rack of samples: at least 60 positions for capacity 1 vials. Gas supplier Nitrogen compressed gas cylinder, purity 99.998% Helium compressed gas cylinder, purity 99.998% Hydrogen compressed gas cylinder, purity 99.999% Inlet Pressure: 2-125 psig (825 kPa) Airflow, regulators and connectors All proposed units should be work in electricity with and frequency of 220v - 230v, 50/60Hz. ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed Range: 50 rpm to 2000 rpm, Stirring Capacity: 5000 ml temperature range: 80-380 °C, Maximum load: 1000 KG. Body Material : Polypropylene, Corrosion resistant surface and panels.A design that prevents liquid spill from entering the instrument. Digital Output code reader RS232. Retort stand attachment(s).Set safety temperature limit displayed digitally. Power supply: AC 100-240V, 50/60 Hz ISO 13485, CE, FDA certificates or equivalent.

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Gelen Tarih Sayı: 20.08.2025 - 3038		
20		
Hot Plate with Magnetic		
Stirrers		
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Elektronik Imza Kanununa göre Güvenlik Elektronik Imza ile imzalanmış bir belge. Başlık: "Elektronik İmza Kanununa göre Güvenlik Elektronik Imza ile imzalanmış bir belge". İçerik: "Elektronik İmza Kanununa göre Güvenlik Elektronik Imza ile imzalanmış bir belge".	1	Each	Volume : 20 Li. Temperature range: 15-100 C. Temperature Resolution Ratio: 0.1 C. Power: 2 KW. The proposed units should be work in electricity voltage and frequency of 220v - 230v; 50/60Hz. ISO 13485, CE, FDA certificates or equivalent.	Water Bath	5
Elektronik İmza Kanununa göre Güvenlik Elektronik Imza ile imzalanmış bir belge. Başlık: "Elektronik İmza Kanununa göre Güvenlik Elektronik Imza ile imzalanmış bir belge". İçerik: "Elektronik İmza Kanununa göre Güvenlik Elektronik Imza ile imzalanmış bir belge".	1	Each	Ph range: 0 to 14, mv; ± 1999 , Accuracy: ± 0.02 , operating temperature: 5-40 °C. Calibration: 1-3 points automatic calibration with calibration instruction and self-diagnosis. Temp. measuring range: 0 to 100 °C. Power Supply: 100-230 volt, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.	Benchtop pH meter	6

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QCL-Lab Team

		Warranty: 1 year Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature range : 50-300 °C. Chamber volume: walls: stainless. Power supply: AC 100-240 V ; ISO 13485. CE, FDA certificates or equivalent.
		Warranty: 1 year Installation: Successful Installation at the laboratory Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring range: 0.0001g-220g. Repeatability: 0.01mm Range: Full. Linearity: 0.2mg. Response Time: 30s Automatic Internal Calibration. PC Interface Calibration Certificate with calibration weight Operating Temperature Range: 10° to 40 °C. Power AC 100-240 V . 50/60 Hz. ISO 13485. CE, FDA certificates or equivalent.

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100 L, 60 Hz.	Drying Oven	7
Analytical Balance		2

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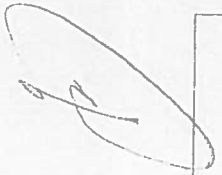
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QCI-Lab Team

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




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Method: Water	Karel fsher (N+) titrator	10
Digital vortex mixer		11

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

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



QCL-Lab Team

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




Homogenizer	14
Heating Mantle	15

11/30/2024

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

Gelen Tarih Sayı: 20.08.2025 - 3038

Warranty Installation laboratory site completion training for of two scientific operating		
Warranty Installation laboratory site completion training for of two scientific operating		





QCL-Lab Team

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وراثتی، نصب و تربیتی:

مقدار

113

مشخصات تحقیقی

قیمت مجموعی	قیمت فی واحد	وزارتی، نصب و تربیت	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 terminals 200 x 200. 200 x 100 x x 50 mm. Simultan Separating Chamber: The vertical grooves in the transverse walls should hold up to 10 x 200 mm TLC plates. Desiccator Opener: This device should be suitable for all sizes of desiccators. 1100 Chromatography Filter Paper: Capillary Dispensing Pipettes: The pipettes should fill automatically and are dipped into the sample liquid. Micro Capillary accuracy should be better than 1%. Power Supply: 230 V, 50/60 Hz. ISO 13485, CE, FDA certification 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 / 100 ml Filter diameter: 47 mm / 50 mm. Effective filtration 13.1 cm ² . Filter funnel: PES. Waste bottle: Brown 1000ML glass (with drain). Funnel lid: PP. Syringe complete set includes: VP-17, Vacuum Pump, X-3 Filtration Set, Silicone Tube (1m). Power Supply: 230 230 V, 50/60 Hz. ISO 13485, CE, FDA certification equivalent.

TLC Plate Counter size: 200x200 mm. Drying Rack: TLC plates with the formats 200 x 200, 200 x 100, x 50 mm. Simultaneous Separating Chamber: The wells in the transverse walls should hold up to 100 x 200 mm TLC plates. Desiccator Operator: This should be suitable for all sizes of desiccators. Thin Layer Chromatography Filter Paper: Capillary Displacement Pipettes: The pipettes should fill automatically and be dipped into the sample liquid. Micro Capillary Tubes: Accuracy should be better than 1%. Power Supply: 230 V, 50/60 Hz. ISO 13485, CE, FDA certification equivalent.

Gelen Tarih Sayı: 20.08.2025 - 3038

شماره	نادره	ملاحظات
1	Thin Layer Chromatography (TLC)	
2	Vacuum Filtration System	

11/30/2024

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

Gelen Tarih Sayı: 20.08.2025 -3038

Warranty: Installation laboratory site completion training for of two scientific operating		
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Warranty: Installation laboratory site completion training for of two scientific operating		

QCL-Lab Team

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		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each Special medium length Ts 10/18 thermometer with range 14-38 °C. Accuracy $\pm 0.2^{\circ}\text{C}$, volume size: 500 ml Power Supply: 100-230 V, 50/60 Hz, ISO 13485, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each Maximum number of samples per test: 6. Temperature precision $^{\circ}\text{C}$: ± 0.5. Solvent recovery %: 10 to 80. External dimensions L x D x H mm: 680 x 330 x 555. Accessories: Extraction thimbles set. Extraction solvent test. Main fields of application (food, pharmaceutical, chemical and cosmetics) Power supply: (100 to 230 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent).
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each Temperature Range: Ambient - 5 °C to 350 °C Result accuracy: - Ambient + 5 °C to 200.0 °C Temperature Readability: 0.1 °C Furnace Cooling Time: 10 min Horizontal Round Metal Block. Temperature Sensor: PT100 Sensor. Should have complete GLP CGLP (Good Laboratory Practice / Good Laboratory Practice) like Result Primaries with Sample Name: (ID Number) Time etc for Authentication and graphical report with vs light unit with marking of start and end of heating Power Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.

Gelen Tarih Sayı: 20.08.2025 - 3038

13 ml. CE ₂	Pycnometer	6
80 ml. CE ₂	Schubert Exactor Apparatus	7
13 ml. CE ₂	Melting point analyzer	8

11/30/2024

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

Gelen Tarih Sayı: 20.08.2025 -3038

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Det. Lab Team



		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	External dimension (mm): 524X1067X574. Inner dimension (mm): 483X853X560. Dehumidification H₂O electrolysis discharge by solid polymer electrolyte dehumidification element. Dehumidified ability 30% rh is set). Within 8 hours. • Humidity Range: 60% RH, 0 to 60 °C/10 measurement range 60 %RH Temperature and humidity sensors: Temperature/thermistors elements, humidity/resistance low humidity measurement sensors. Area of dehumidifying element: about 49 cm². Temperature humidity display accuracy: ± 1 °C. Power Supply: 230 V, 50/60 Hz. ISO 13485, CE, FDA certificates equivalent.
		Warranty: 1 year Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Hand / Motor lift: hand lift. Height adjustment manual. Height adjustment: 155 mm. Rotation 280 rpm. Rotation speed setting: 3.5" 1 (1) display brushless DC motor with electronic speed control Heating capacity: 1500 w. Temp. range heating: 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 °C digital display. Heating bath temperature control: electronic digital. Material heating bath: stainless steel. Bath heating bath: 255 mm. Volume heating bath: 4.2 L volume: 1L. Timer: yes. Rate of evaporation: 1.200 L/h. Water: 1.2 L/h. Condensing surface: 1.200 L/h. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.

Gelen Tarih Sayı: 20.08.2025 - 3038

system: lytic hen 0 to 1. ce ape	Digital Dry Desiccator	12
di: e: 1- Dre: i: 2- via 9) / eter Flask 1: 3,5 13,	Rotary vacuum evaporator (included vacuum pump and water chiller)	13

11/30/2024

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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Gelen Tarih Sayı: 20.08.2025 - 3038

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QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring range: 0.0001g-220g, Readability: 0.1mg Range: Full, Linearity: 0.2mg, Response Time: 3sec Automatic Internal Calibration, PC Interface, U/SB, 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.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Maximum Capacity: 4100 gm, Readability: 0.01g Calibration tools: Standards weights, Power Supply: 100-230 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Temperature range : 50-300 °C, Chamber volume: 200L walls: stainless, Power supply: AC 100-240 V, 50/60 Hz, ISO 13485, CE, FDA certificates or equivalent.




Gelen Tarih Sayı: 20.08.2025 - 3038

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

11/30/2024

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

Gelen Tarih Sayı: 20.08.2025 3038

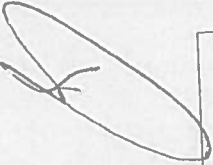
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QCL-Lab Team



Measuring Mode: Optical Rotation, Specific Rotation, Specific Rotation Plus Concentration, Sugar Scale °Z(ISS), Display: On screen LCD / LED (touchscreen) Accuracy: 0.001 deg Arc or better, Measuring Range: 89.9 deg Arc Optical Rotation, $\pm 999.99^\circ$ Arc Specific Rotation, 0-99.9% Concentration, Optical Wavelength 589 nm Na and Tungsten-halogen or Hg- Lamp (for 635 nm/ 578 nm / 546 nm / 436 nm / 405 nm, Light Source Sodium/Tungsten-halogen/LED with life time 100,000h 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 certified equivalent.	Each	1	Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system		
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Gelen Tarih Sayı: 20.08.2025 - 3038

Automated digital
signature

21

11/30/2024

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

Gelen Tarih Sayı: 20.08.2025 - 3038

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QCI-Lab Team

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




Gelen Tarih Sayı: 20.08.2025 - 3038

tes	um
Vacuum oven	
23	

11/30/2024

Biochemistry Department

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

Gelen Tarih Sayı: 20.08.2025 - 3038

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QCI-Lab Team






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

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

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-5 Size Exclusion Column 3 µm particle size, Pore sizes: 100 Å (1 to 100 kDa), 150 Å (0.1 to 150 kDa), 300 Å (5 to 1250 kDa), Bio SEC-5 Size Exclusion Column

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

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

Gelen Tarih Sayı: 20.08.2025 - 3038

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

Gelen Tarih Sayı: 20.08.2025 - 3038

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



QCL-Lab Team

		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Measuring range: 0.0001 g-220g; Readability: 0.1mg; Temp Range: Full; Linearity: 0.2mg; Response time: 3 sec. Auto Internal Calibration. PC Interface, USB. Calibration Certificate with calibration weight set. Operating Temperature Range: to 40 °C. Power supply: AC 100-240 V, 50/60 Hz; ISO 14 CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Capacity : 150 L. Temp Range: 0- 60 °C. Temp Fluctuation: $\pm$ 1 °C. Maximum time to reach $\pm$ 1 °C. Temp Fluctuation: $\pm$ 1 °C. Maximum time to reach 100% Humidity: 10 min. Humidity Range: 50-90 % rh. Power Supply: 100-230 volt, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.

Gelen Tarih Sayı: 20.08.2025 - 3038

Analytical Balance	4
Incubator	2

11/30/2024

1	Each	Chamber. Vertical loading type chamber with service basket. Chamber size: 80 -120 L. Gauges: Should have a water level gauges. Display: Fully Automatic PID control ± 0.1 °C. LED display for temperature and remaining time. Operation temperature 1-40 °C. Temp accuracy ± 0.5 at 121 °C. Operation time 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.	Vertical Autoclave	6
1	Each	Gel Size (mm): 60 x 60. Number of samples: 6, 8, 11. Comb Thickness (mm): 1.0, 1.5. Max. Input Voltage (V): 100. Max Current (mA): 50. Continuous Working Time: >24 hours. Buffer volume (ml): 150 ml. Overall Dimensions (L x W x H) (mm): 197 x 96 x 64 ISO 13485, CE, FDA certificates or equivalent.	Gel Electrophoresis System	7

Gelen Tarih Sayı: 20.08.2025 - 3038

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



QCL-Lab Team

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

QC Lab Team

Gelen Tarih Sayı: 20.08.2025 - 3038

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

11/30/2024

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

Gelen Tarih Sayı: 20.08.2025 - 3038

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QCL-104-1000

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1 Each	Height: 68 in. Depth With Door Open 90 Degree: 57 in. 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: Interior Up Front. Deli Drawer: 1 Flexi-Slide Bin. Door Bins: 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.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1 Each	Temperature range: -12—24°C. Capacity Range: 1 cubic feet. Door Swing: Left Hinge, Double-Swing. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1 Each	Speed Range: 200 to 3000 rpm. Material: Rubber. Platform. Dimensions (L x W x H): 8.1 x 5.9 x 5.2 (20.5 x 15.1 x 13.1 cm). Timer Range: 1 to 99 min. Continuous. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.

OCL-Lab Team

Gelen Tarih Sayı: 20.08.2025 - 3038

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

11/30/2024

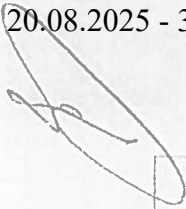
Temperature Range: 5 to 40°C. Humidity: 0 to 80% relative humidity. Viscosity Limit: <50 cP. Sample Bottle Clearance: 153 mm. Volume Accuracy: > 95%. Sample Flow Rate: 10 to 100 ml/min. Pharm:Spec 3 Software(Processor: 1.0 GHz or faster processor. Operating System: Windows 10 Enterprise 64-bit. Memory: 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.	17	Liquid Particle Counter
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Warranty	Installation	Installation	laboratory	site comp	training f	of two	scientific	operating

Gelen Tarih Sayı: 20.08.2025 - 3038



QCL-lab Team

		Warranty: 1 year Installation: Successful Installation at the laboratory. Training: on- site comprehensive training for a minimum of two scientific personnel operating the system	18	1	Each
Total number of Device					
Capacity : 150 L, Temp Range: 0- 60 °C, Temp accuracy: $\pm$ 1 °C, Temp Fluctuation: $\pm$ 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.					

Gelen Tarih Sayı: 20.08.2025 - 3038

İnceleme Tarihi: 24.08.2024

İnceleme

İS

11/30/2024

Medical Equipment Department

وراثی، نصی، مقدار	واحد	مشخصات فنی	نام دستگاه	شماره
Flow under the max rotation speed : 500ml/min. Speed : 0-220rpm. Total height of hanger : 405mm. stainless steel: 304 steel. ISO 13485 CE, FDA certificates or equivalent.	Each		Sterility test pump (Complete system)	1

Gelen Tarih Sayı: 20.08.2025 - 3038

رقبیت	ثبیت فر زاحد	ثبیت مجرعی
Warrant Installat Success Installat labato on the computer training mission se. diffi operation		




QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system		1 Each	Vacuum Degree: 0 ~ -90 KPa/ 0 ~ -13 psi. Accuracy: $\pm 0.25\%$ FS. Resolution: 0.1 KPa / 0.01 psi. Vacuum Chamber Effective Sizes: $\phi 270$ mm x 210 mm (H). Gas Supply: Air (outside of supply scope). Pressure: 0.5 MPa ~ 0.7 MPa (73psi ~ 101psi). Power Supply: 100-230 volt, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system		1 Each	Load capacity: 255 kgf. Max speed (mm/min): 2500 speed (mm/min): 0.005. Maximum force at full speed: 0.75. Position control resolution μm: 0.61. Total travel (mm): 1041. Total Vertical Test space (mm): 1200. ISO 13485, CE, FDA certificates or equivalent.




Gelen Tarih Sayı: 20.08.2025 - 3038

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

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year. at the training: give a two personnel the system	1	Each	Test effective area: 105*100 mm, up to 105*152 mm. Effective stroke:150mm. Maximum load:500N. Accuracy:±0.5% ISO 13485, CE, FDA certificates or equivalent.	Manual Peel Strength Tester	1
year. at the training: give a two personnel the system	1	Each	Test Stroke: 1.5 mm Size: 500mm x 590mm x 150mm. Maximum Blade Length: 200mm, but longer and wider blades can be accommodated with a special adaptor. Maximum Blade Width: 100mm ISO 13485 CE, FDA certificates or equivalent	Razor Edge Sharpness Tester	1

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Warra Install Success Install laborat on-site compre training minim scienti operat	Warra Install Success Install laborat on-site compre training minim scienti operat




QCL-Lab Team

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




Gelen Tarih Sayı: 20.08.2025 - 3038

Incubator	6
Digital Vernier Caliper	7

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

Gelen Tarih Sayı: 20.08.2025 -3038

Warrant Installation Successful Installation Laboratory on-site completing training minimum scientific operation		
Warrant Installation Successful Installation Laboratory on-site completing training minimum scientific operation		



QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Speed Range: 50 rpm to 2000 rpm. Stirring Capacity temperature range: 80-380 °C. Maximum load: 1.5 kg. K.G. Body Material : Polypropylene. Corrosion resistant surface and panels. A design that prevents liquid spillages from entering instrument. Digital Output connectivity. RS232. Reort stand attachment(s). Set safety temperature limit displayed digitally. Power supply: AC 100-240 V . 50/60 Hz. ISO 13485. CE, FDA certificates or equivalent.
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	1	Each	Volum : 20 L. Temperature range: 15-100 C. Temperature Resolution Ratio: 0.1 C. Power: 2 KW. The power supply units should be work in electricity voltage and frequency of 220V - 230V, 50/60Hz. ISO 13485, CE, FDA certificates or equivalent.




4L. 20	the Hot Plate with Magnetic Stirrers	10
Gelen Tarih Sayı: 20.08.2025 - 3038	Water Bath	11

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Bu belge, 5070 sayılı Elektronik İmza Kanununa göre Güvenli Elektronik İmza ile imzalanmıştır. Evrak sorgulaması: https://ocg.borsa-bys.tobb.org.tr/iso-cerkez-koy-envision/Validate_Doc.aspx?EB=BSNLRC4RZ&E=3038 adresinden yapılabilir. (PIN:68332)

Gelen Tarih Sayı: 20.08.2025-3038

Warrant Installat Success Installat laborate on-site comprel training minimu scientifi operatin		
Warrant Installat Success Installat laborate on-site comprel training minimu scientifi operatin		





QCL-Lab Team

		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system		1 Each	Speed Range: 200 to 3000 rpm. Material: Rubber platform. Dimensions (L x W x H): 8.1 x 5.9 x 5.2 in (20.5 x 15.1 x 13.1 cm). Timer Range: 1 to 99 min. Continuous. Power Supply: 100-230 V, 50/60 Hz. ISO 13485, FDA certificates or equivalent
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system		1 Each	Temperature range : 50-300 °C. Chamber volume : 110.6 L. Chamber walls: stainless. Power supply: AC 100-240 V, 50/60 Hz. ISO 13485, CE, FDA certificates or equivalent




Gelen Tarih Sayı: 20.08.2025 - 3038	
Digital vortex mixer	14
Drying Oven	15

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16	Vertical Autoclave	Chamber: Vertical loading type chamber with service basket. Chamber size: 80 -120 L. Gauges: Should have a water level gauges. Display: Fully Automatic PID control ± 0.1 °C. LED display for temperature and remaining time. Operation temperature 140 °C. Temp accuracy ± 0.5 at 121 °C. Operation time 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.	1 Each	
17	Vertical Laminar Flow Bench	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.	1 Each	
Total number of device				
17				

Warrant Installation Successful Installation Laboratory on-site completing training minimum scientific operation	Warrant Installation Successful Installation Laboratory on-site completing training minimum scientific operation




QCL-Lab Team

Water purification plant

قیمت مجموعتی	قیمت فی واحد	ورانتی، نصب و تربیتنگ	مقدار	واحد	مشخصات فنی
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	2	Each	Product Water Type: Type 1 and Type 2. Resistivity: 18.2MO-cm at 25°C. Type 2: 10 to 15MO-cm at 25°C. Conductivity: Type 1: 0.05µS/cm. Type 2: 0.007 to 0.1µS/cm. Feedwater Source: tap. Flow Rate: 0.01 to 0.005EU/mL. Bacterial Content: <0.01 CFU/mL. Organic Carbon: 1 to 5ppb. Endotoxin Concentration: <0.05EU/mL. Pressure: 1-6 Bar. RO Flow Rate: 12L/hr. Permeate performance: 12L/hr. at 10°C. Power supply: AC 110/50/60 Hz. ISO 13485 CE. FDA certifies of equipment. In case the total dissolved solids (TDS) in the feed water site exceed 150 ppm, the supplier is responsible for a prefiltration system (RO system).
		Warranty: 1 year. Installation: Successful Installation at the laboratory Training: on-site comprehensive training for a minimum of two scientific personnel operating the system	4	Each	(Distillation capacity: 10 l/h. Distillate conductivity: 2µS/cm (at 25°C). Material: Stainless steel. Power supply: 100-240 V, 50/60 Hz. ISO 13485, CE, FDA certifies of equipment. * In case the total dissolved solids (TDS) in the feed water installation site exceed 150 ppm, the supplier is responsible for a prefiltration system (RO system).

مشخصات فنی

قیمت مجموعتی

قیمت فی واحد

ورانتی، نصب و تربیتنگ

مقدار

واحد

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: 0.007 to 0.1µS/cm. Feedwater Source: tap. Flow Rate: 0.01 to 0.005EU/mL. Bacterial Content: <0.01 CFU/mL. Organic Carbon: 1 to 5ppb. Endotoxin Concentration: <0.05EU/mL. Pressure: 1-6 Bar. RO Flow Rate: 12L/hr. Permeate performance: 12L/hr. at 10°C. Power supply: AC 110/50/60 Hz. ISO 13485 CE. FDA certifies of equipment. In case the total dissolved solids (TDS) in the feed water site exceed 150 ppm, the supplier is responsible for a prefiltration system (RO system).

(Distillation capacity: 10 l/h. Distillate conductivity: 2µS/cm (at 25°C). Material: Stainless steel. Power supply: 100-240 V, 50/60 Hz. ISO 13485, CE, FDA certifies of equipment.

* In case the total dissolved solids (TDS) in the feed water installation site exceed 150 ppm, the supplier is responsible for a prefiltration system (RO system).

Gelen Tarih Sayı: 20.08.2025 - 3038

Talep Formu		
Şifre	İstek Adı	İstek Açıklaması
1	Water Purification System (Water deionizer machine)	Water Purification System (Water deionizer machine)
2	Water Distiller machine	Water Distiller machine

اسم شرکت:

آدرس:

1403

تاریخ:

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

“Bu Kanunla değiştirilen hükümler, bu Kanunla değiştirilene kadar yürürlükte kalacaktır.”

- (g) Bu Kanunla değiştirilen hükümler, bu Kanunla değiştirilene kadar yürürlükte kalacaktır.
- 1- Bu Kanunla değiştirilen hükümler, bu Kanunla değiştirilene kadar yürürlükte kalacaktır.
- 2- Bu Kanunla değiştirilen hükümler, bu Kanunla değiştirilene kadar yürürlükte kalacaktır.
- 3- Bu Kanunla değiştirilen hükümler, bu Kanunla değiştirilene kadar yürürlükte kalacaktır.
- (d) Bu Kanunla değiştirilen hükümler, bu Kanunla değiştirilene kadar yürürlükte kalacaktır.
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- (g) Bu Kanunla değiştirilen hükümler, bu Kanunla değiştirilene kadar yürürlükte kalacaktır.
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- (i) Bu Kanunla değiştirilen hükümler, bu Kanunla değiştirilene kadar yürürlükte kalacaktır.

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