



جامعة السلطان قابوس
Sultan Qaboos University

Requisition Form

Requisition Number: 1234/26/0042

Last Date for Submission: 27/04/2026

S.N.	SQU Product Code	Description	Qty	UOM	Remarks
1	EQUMEASPE0001	ATOMIC ABSORPTION SPECTROMETER	1	Nos	<p>[EQUMEASPE0001] ATOMIC ABSORPTION SPECTROMETER</p> <p>- Combined Flame + Graphite Furnace Atomic Absorption Spectrophotometer. Wavelength Range 185nm-900nm Monochromatic Czerny-Turner Configuration Spectral Bandwidth 0.2, 0.3, 0.5, 0.8, 1.2 nm (automatic selection) Wavelength Reproducibility 0.005 nm Flame: (Cu 324) 0.017 mg/L 1 % Abs using a 10 cm burner head (air/acetylene) Graphite furnace: (Pb 283) 0.79 g/L 1 %Abs (for 20 L, peak area evaluation) Deuterium background correction by D2 hollow cathode lamp Burner Heads Titanium Alloy Nebulizer Inert Adjustable Nebulizer, Flow Rate from 2ml - 6ml/min. Pt/Ir capillary for high acid concentration Atomization Chamber Corrosion-resistant material Position Adjustment Automatic Automatic Setting of Optimum Height for Flame Burner. Safety Functions Burner Identification, Flame Sensor, Gas leak Sensor, Low Gas Pressure Sensor, Drain Trap Sensor, Power Loss Protection, Circulation Water (graphite), Over Temperature Sensor (graphite) Air Compressor Acetylene gas regulator Autosampler, Hydride unit Not required Organic solvent ring (Acetate) Hollow Cathode lamps (HCL): Na, Ca, K, Fe, Zn, Pb</p> <p>- Transversely heated graphite furnace atomizer (THGA) by integrated autosampler operation</p> <p>- Temperature range from 0 °C to 3000 °C, programmable in intervals of 0.5 °C , heating rate up to 3000 °C/s, real-time</p>

S.N.	SQU Product Code	Description	Qty	UOM	Remarks
					<p>temperature control by QPC sensor, self check system</p> <ul style="list-style-type: none"> - SiOSens solid state detector, wide range, linear read out 0.1-100%, low noise CSA, 5 V - Scraper for flame mode, automatic cleaner of burner head for save nitrous oxide operation - Air purge kit Spectrometer <p>Maximum protection against dust and vapor (Optional)</p> <ul style="list-style-type: none"> - Segmented flow star SFS 6.0 Flame Switching valve technology for stable flame conditions, small sample volumes and reduced carry over (Optional) - Na 589.0 & K 766.5, can work emission without HCL - 5 years warranty on optical components <p>The quotation must include the following details:</p> <ol style="list-style-type: none"> 1. Warranty period. 2. Delivery period. 3. Price List for the major spare parts. 4. Cost of maintenance visit per day after the warranty period expires. 5. Submission a copy of an Operation & Service manuals at the installation time. 6. Back up/spare parts support up to the 10th year. 7. Details of any pre-installation requirements (attached with offer). 8. Manufacturing date certificate from the manufacturer. 9. Delivery, Installation, commissioning & on-site training to be done by the supplier. <p>*Note:</p> <ul style="list-style-type: none"> - Bid evaluation criteria will be subjected to; Price, specifications, warranty period, fast delivery, known brand & after-sales technical support. - Since this is a non-profit organization and the item to be used for educational purpose, a maximum discount should be given as far as possible.