


DATE	7-Jun-23
QUOTE #	0085/Q/VI/2023
VALID UNTIL	8-Jul-23
Currency	IDR
REV.	#00

CUSTOMER

Kepada Yth.
Ibu Syifa
PT TH.Indo Plantation

Prepared by:

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No	Description	Unit Price	Qty	Amount
1	Atomic Absorption Spectrometer (AAS) Model : GBC Complete Package XplorAA GBC Scientific Equipment, Pty.Ltd			
a.	XplorAA Double Beam Atomic Absorption Spectrometer with 6 lamp turret, flame emission capability, background correction and automatic gas control module. Asymmetric modulation with 2:1 sample reference ratio for noise reduction. All-reflective optics for constant focus, quartz overcoating on mirrors. Comes with air-acetylene burner and software.  Specification : <u>Atomization System</u> 1. Flame system 2. Graphite furnace system 3. Hydride generator <u>Optical Spectrometer</u> 1. Double Beam 2. <i>Assymetric modulation 2:1 of sample and sample reference ratio for noise reduction.</i> 3. All-reflective optics for constant focus, quartz overcoating on mirrors. <u>Monochromator</u> 1. Ebert-Fastie design with 333 mm focal length, self-calibrating. 1800 lines/mm holographic grating with dual-blazed profile and 1.6 linear reciprocal dispersion 2. Wavelength range : 175 - 900 nm 3 <i>Slit widths : 0.1 - 2.0 nm in 0.1 nm increments (Choice of 20 step slit widths)</i> <u>Background Correction</u>	657.064.000	1	657.064.000

	<p>HYPER-PULSE background correction. The intensity deuterium arc lamp provides a 175 - 423 correction range. The GBC Hyper pulse system measures 200 (50 Hz) or 240 (60 Hz) sample measurements per second. The background correction range is up to 2.5 total absorbance</p>			
	<p><u>Lamp and Turret</u></p>			
	<p>6 lamp turret capacity automatic rotation and lamp selection</p>			
	<p><u>Flame Atomization System</u></p>			
	<p>Premix design with solid inert polymer mixing chamber. All-titanium burner construction. The optional nitrous oxide burner is designed to reduce carbon build up. Nebuliser has platinum-iridium capillary and titanium venturi for resistance to acids attack. Adjustable sample uptake rate with locking mechanism. Inert impact bead. Interlocked nebuliser bung and pressure relief bung. Integrated liquid trap with liquid level interlock. Quick change mounting to enable easy changeover to graphite furnace. The optional nitrous oxide burner is designed to reduce carbon build up.</p>			
	<p><u>Gas Box System</u></p>			
	<p>Fully programmable. Automatic setting of flame type and gas flows from stored conditions. Programmed ignition and shutdowns sequence. Automatic change of flame conditions during automatic multi-element operation. May be programmed to automatically extinguish the flame at the end of an analysis. Interlocks monitor air, acetylene and nitrous oxide pressure, burner presence, burner type, liquid trap level, presence of nebulizer and pressure relief bung, oxidant flow, flame condition and mains power. Ignition is prevented or flame is shutdown if a fault is detected. Screen display of interlock status.</p>			
	<p><u>Safety System (Interlock System)</u></p>			
	<p>1. Ignition of flame is prevented if no burner is installed 2. The flame will not change over to nitrous oxide flame if the correct burner not installed 3. Pressure sensors on the air, acetylene and nitrous oxide gas supplies continually monitor pressure 4. A flame sensor shuts off the gases if flame is extinguished for any reason 5. An integral liquid trap 6. Sensors on the both the nebulizer bung and pressure relief bung ensure are correctly place 7. A main power sensor shuts down the flame if the power supplied instrument interrupted</p>			
	<p><u>Performance Sensitivity Guarantee</u></p>			
	<p>>0.8 abs for 5mg/L copper solution with an RSD of less than 0.45% on the same measurement</p>			
	<p><u>Software</u></p>			
	<p>Microsoft Windows® operating system for true multitasking. Easy to use, rapid method development, complete instrument diagnostics, quality control or good laboratory practice. The Electronics Records and Electronic Signatures Rule (21 CFR Part 11) was established by the USA FDA.</p>			
	<p>Complement Local Item Included :</p>			
	<p>1. New Hollow Cathode Single Element Lamp (K, Mg, Ca, Cu, Zn, Fe, Mn, Deuterium, Na, Al)</p>		10	
	<p>2. Acetylene Gas Cylinder & Regulator</p>		1	
	<p>3. Nitrous Oxide Gas Cylinder & Regulator</p>		1	
	<p>4. Titanium Burner for Nitrous Oxide Gas</p>		1	
	<p>5. Standard Solution</p>		10	
	<p>6. Compressed air : Oil free</p>		1	
	<p>7. UPS 3 kVa (integrated stabilizer)</p>		1	
	<p>8. Installation Tubing Kit up to 10 m and gas filter</p>		1	
	<p>9. Installation Fume extraction system : Ducting, Hood and Fan Blower</p>		1	
	<p>10. Desktop PC</p>		1	
	<p>11. Printer</p>		1	

	1 years warranty for main unit and part except consumable part			
		Subtotal		657.064.000
		Discount		131.412.800
		TOTAL		525.651.200

TERMS AND CONDITIONS

1. Price is exclude Tax (PPN). FRANCO JABODETABEK
2. Payment : DP 50%, full payment before delivery
3. Delivery : Indent 4 - 12 weeks after PO received
4. Warranty : - 1 year for main unit and part except consumable part
 - Including Installation and training
 - Available Additional Contract Services 1 year after

If you have any questions about this price quote, please don't hesitate to contact us

Thank You For Your Business!

GBC Scientific Equipment Authorized Distributor



Manufacturer of world class scientific equipment and accessories; AAS, HPLC, ICP-OES, ICP-MS/TOFMS, Rheometry, UV-Vis and XRD - since 1978.

