

QUOTE

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# DATE 9-Jan-23 QUOTE # 0002/Q/01/2022 VALID UNTIL 9-Feb-23 Currency IDR REV. #00

#### Prepared by:

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# CUSTOMER Kepada Yth. Pak Hendra

PT. Great Giant Pineapple

No	Description	Unit Price	Qty	Amount
1	Atomic Absorption Spectrometer (AAS)			
	Model : GBC Complete Package SavantAA + SYSTEM5000 Graphite Furnace + HG3000 Automatic Hydride Generator			
	GBC Scientific Equipment, Pty.Ltd			
a.	GBC SavantAA Atomic Absorption Spectrometer with 8 lamp turret, HYPER-PULSE background correction, double beam optics and programmable flame control. Comes standard with air-acetylene burner and software.	1.540.700.000	1	1.540.700.000
	Specification:			
	Atomization System			
	1. Flame system			
	2. Graphite furnace system			
	3. Hydride generator system			
	Optical Spectrometer			
	1. Double Beam			
	2. Assymetric modulation 2:1 of sample and references beam			
	3. All reflective system with quartz overcoating mirror. Sealed against dust and vapour			
	Monochromator			
	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 (Automatic wavelength selection and peaking)			
	Multi-alkali photomultiplier tube, selected wide range			

	Performance Sensitivity Guarantee		
	Greater than 0.9 abs for 5mg/L copper solution with an RSD of less than 0.5% on the same measurement		
	Software		
	Microsoft Windows® operating system for true multitasking. Easy to use, rapid method development, complete instrumen diagnostics, quality control or good laboratory practice. Controls SavantAA, the Electronics Records and Electronic Signature Rule (21 CFR Part 11) was established by the USA FDA.		
b.	SYSTEM5000 Graphite Furnace: AUTOMATED graphite furnace system for analysis where parts per billion (ppb) detection limit is required. Include the PAL AUTO SAMPLER and AUTO DILLUTOR for rapid and accurate analysis and the power supply unit and workhead	1	
	Specification:		
	Temperature Program		
	up to 3000°C		
	Performance Sensitivity		
	< 3 pg for 10 ppb Cu solution with an RSD < 5% Linearity better than 0.98		
	Graphite Tube		
	up to 300 firings		
	Automatically Two Chemical Modifier for ELIMINATING ALMOST ALL MANUAL SAMPLE PRE-TREATMENT:		
	1. Autosampler		
	PROGRAMABLE AUTO SAMPLER accommodates up to 40 samples, 10 pre-mixed standard and one stock solution for automatic mixing up to 10 standard. All PTFE capillary. Probe set-up controlled by computer with co-ordinates stored in memory. Program include automatic mixing of standard, automatic injection, multiple injection, heated injection		
	2. Auto Dillution :		
	Programmable of sample dillution or standard dillution (Pre-mixed, automatic mixing) and calculated automatically		
c.	Electronic Sample Viewing (ESV) Camera	1	

	To ensure the sample injection process into the graphite furnace		
d.	HG3000 Automatic Hydride Generator : Hydride Generator to perform analysis of	1	
	As, Se, Sb, Bi, Te, Sn, Ge and Hg at part per billion (ppb) concentration		
	Specification :		
	Working System		
	AUTOMATIC continuous flow operation of peristaltic pump, mixing and hydride formation separation. <b>Typically sample throughput is 60 samples/hr, measuring 3x replicates on each sample.</b>		
	Control System		
	Operation is fully automatic with a computer controlled spectrometer system		
	Absorption Cell		
	Material Quartz (kuarsa)		
	<u>Carrier Gas</u>		
	Argon		
	Complement Local Item Included :		
	New Hollow Cathode Single Element Lamp	8	
	2. Graphite tube, 1 pack : 10 pcs	1	
	3. Open Cell Hydride	1	
	4. Closed Cell Hydride	1	
	5. ESV Camera	1	
	6. Acetylene Gas Cylinder & Regulator	1	
	7. Argon Gas Cylinder & Regulator	2	
	8. Standard Solution	8	
	9. Compressed air : Oil free	1	
	10. Water Chiller	1	
	11. UPS 15 kVa (integrated stabilizer)	1	

12. Reductant NaBH₄			1	
13. Installation Tubing Kit up to 10 m and gas filter			1	
14. Installation Fume extraction system : Ducting, Hood and Fan	Blower		1	
15. Desktop PC : Intel Core i5, Ram: 8 GB DDR4, Harddisk 1 TB Intel HD, Support Windows® 10 Home, Monitor 21,5 Inch	, ODD: DVD-RW,		1	
16. Printer : Deskjet printer included scanner			1	
17. Trafo			1	
		Subtotal		1.540.700.000
		Discount		381.805.000
		Price Before Tax		1.158.895.000
		Tax/PPN 11%		127.478.450

## TERMS AND CONDITIONS

1. Price is include Tax (PPN). FRANCO JABODETABEK

2. Payment : DP 50%, full payment before delivery

3. Delivery : Indent 4 - 12 weeks after PO received

4. Warranty : - 2 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-oTOFMS, Rheometry, UV-Vis and XRD since 1978.







**TOTAL PRICE** 



1.286.373.450

