

Purchase Order
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Appendix 61

23-690 TP

Supplier :	CHEMISPHERE LAB SCIENCES INC.	P.O. No. :	GIAE-PO-2023-07-0679 (ADMA)
Address :	ENTB-104 ESTRILLA CENTER BLDG. II TIERRA NUEVE COMMERCIAL COMPLEX ALABANG-ZAPOTE Rd CUPANG, MUNTINLUPA CITY	Date :	July 04, 2023
TIN :		Mode of Procurement :	PB

Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery :	ADMATEL	Delivery Term :	120 CD
Date of Delivery :		Payment Term :	

Stock/Property No.	Unit	Particulars	Quantity	Unit Cost	Amount
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1	lot	SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF ONE (1) X-RAY FLUORESCENCE SPECTROMETER			7,458,888.00
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UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
	BRUKER TOTAL REFLECTANCE X-RAY FLUORESCENCE SPECTROMETER S2 PICOFOX 400		
	PRICE BREAKDOWN		
unit	B-FO-INT22 TXRF SPECTROMETER S2 PICOFOX 400 System parameters: • Element range: Al, Y, Pd, U • Detection limit: Ni < 2 pg • Sample carrier quartz disc etc. diameter 30 mm • Size (HxWxD): 300 x 550 x 450 mm ³ • Benchtop instrument, weight: approx. 38 kg • Sample capacity: 25 discs, 30 mm diameter The S2 PICOFOX 400 consists of the following components: - Benchtop housing with control unit - HV-generator, 50 kV, 50 W - spectroscopic amplifier, type 90 kcps, pulse pile-up rejector - ADC with 4096 channels, digital signal processor DSP - RS232 interface for generator parameters and safety functions - key switch • Automatic sample changer - PC-controlled by a measurement job editor - incl. cassette for 25 sample discs • Micro focus X-ray tube with Mo target - hot target spot size 50 µm x 50 µm - max. 50 kV, max. 1 mA, max. power consumption 50 W - thickness Be window 0.1 mm - air cooled, with Cu-radiator • Multilayer monochromator 17,5 keV, curved - 80 % reflectivity • X-ray detector XFLASH® - Si drift detector, 60 mm ² active area - energy resolution < 149 eV for Mn-K @ 100 kcps - max. count rate > 100 kcps, dead time < 10 % at 40 kcps - thermo-electrically cooled, no consumption of liquid nitrogen • S2 Picocontrol - control of all hardware functions: HV generator, detector, sample changer etc. - measurement, visualisation, storage of spectra - peak deconvolution, peak net area calculation - quantitative TXRF analysis for liquids, solids, aerosols etc. - statistical and report functions, data and spectra export • PICOFOX super bayes quantification routine - Calibration with reference profiles for elements from Al to U Tools and Documentation - Sample container for 30 mm discs - Able for custom calibration - System software (upgradable) - TXRF standards on disc - Standard references and/or certificates for test materials - IQ/OQ certificate - water proof - USB 3.0, WIFI capable - UPS: 230V, 2.8A, 60Hz (input) and 230V, 60Hz, 650VA, 520W (output) System Inclusions: unit B-A20V09 25 Quartz discs SQ1 labeled with numbers - 30 mm diameter	6,450,354.07	6,450,354.07
		187,890.00	187,890.00

EMAILED

Recipient: _____
 Date: 07-19-23 Time: _____

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1	unit	B-A20V10 Washing cassette for 25 sample discs	67,555.00	67,555.00	✓
1	unit	B-A20V11 100 disposable sample discs - 30mm diameter	44,738.00	44,738.00	✓
1	unit	B-A20V15 Tool for sample centering	32,659.00	32,659.00	✓
1	unit	B-A20V17 Sample cassette for 25 discs (S2 400)	44,738.00	44,738.00	✓
1	kit	B-A20V20 Nitrogen purge system for detection of Ag and Pd (S2 400)	347,166.00	347,166.00	✓
1	unit	01357-100ML Sigma Aldrich yttrium standard for ICP - TraceCERT® 1 µL Y in nitric acid (nominal concentration), 100 ml	18,000.00	18,000.00	✓
1	unit	P8136-250G Sigma Aldrich poly(vinyl alcohol) - 87-90% hydrolyzed, average mol wt 30,000-70,000, 250 g	8,300.00	8,300.00	✓
3	unit	440191-100ML Sigma Aldrich hexamethyldisilazane - reagent grade, ≥99%, 100 ml	8,630.00	25,890.00	✗
1	unit	30709-2.5L Sigma Aldrich nitric acid puriss. p.a., reag. ISO, reag. Ph. Eur., for determinations with dithizone, ≥65%, 2.5 L	39,910.00	39,910.00	
1	unit	AC03142500 Scharlau acetone AR Grade - 2.5 L	2,500.00	2,500.00	
5	unit	83462-1L Sigma Aldrich RBS™ 50 solution - 1 L	10,700.00	53,500.00	

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	lot	B-11000-20 Installation & Training for new systems, basic operation - hardware and software - Local Application Training		Gratis	
	lot	M-899 - 2 sessions Individual remote training per session (~1/2 day)		Gratis	
	lot	Three (3) Years Warranty on Parts and Services includes three (3) preventive maintenance services, emergency visit on trouble shooting and application support		Gratis	
	lot	CLSI-WS2 Desktop, UPS with AVR; customer configurable specifications local supply Minimum requirements: W10 genuine license, Intel Core i7 12700K 12-core/20-thread processor, CPU cooler, motherboard for Core i7 12700K, 16GB RAM, antivirus genuine license, 1TB PCIe NVMe M.2 SSD, 22" full HD monitor, 650VA/330W UPS, MS Office with license		135,687.33	
	lot	S2 PICOFOX manual English, Quick reference guide English, Spectra software manual English		Gratis	

Less: VAT	332,986.07	7,458,888.00
EWT	66,597.21	399,583.28
TOTAL:		7,059,304.72

END USER: **ANGELENE J. ALGAIN**

(Total Amount in Words): Seven Million Fifty Nine Thousand Three Hundred Four Pesos & 72/100

In case of failure to make the full delivery within the time specified above, a penalty of one cent (1/100) of one percent for every day of delay shall be imposed on the undelivered items.

Conforme: *Jerry Mear*
JERRY MEAN A. BARTOLATA
Signature over Printed Name of Supplier
Date: **07/31/23**

Very truly yours, *Dr. Annabelle V. Briones*
DR. ANNABELLE V. BRIONES
Signature over Printed Name of Authorized Official
Director
Designation: *MR*

Fund Cluster:		ORS/BURS No.:	TF002023071628
Funds Available:	<i>Approved July 18, 2023</i> PATRICIA ASHLEY M. MENDOZA Signature over Printed Name of Chief Accountant/Head of Accounting Division/Unit Accountant II	Date of the ORS/BURS:	7/10/23
		Amount:	P 7,458,888.00

Dr 7/10/2023
until 12/31/2023