

PURCHASE ORDER
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

19 1156

Supplier: INSTRUMIX SUPPLIER, INC.		P.O. No.: 2019-02-0097 (GFE)			
Address: Unit 433-434 CityLand Posing Taro Tower 2210 Don Chino Roces Ave. Makati City		Date: February 20, 2019			
TIN:		Mode of Procurement: Public Bidding			
Remarks: Please furnish this Office the following articles subject to the terms and conditions contained herein:					
Place of Delivery: Metrology Building (not later than 4:30 pm)		Delivery Term: 120 days			
Date of Delivery:		Payment Term:			
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
1	lot	Supply, Delivery, Installation and Commissioning of One (1) lot HPLC with accessories (Shimadzu Ultra High Pressure Liquid Chromatography System with post column derivatization)	1	5,990,000.00	5,990,000.00
	set	Shimadzu solvent Delivery Unit, Model LC-30AD (For Binary and Quaternary System) With 1 unit Low Pressure Gradient Valve (as reservoir selection valve)	2		
		Pump type: Micro-volume double plunger Plunger capacity: 10µL Flow rate setting range: 0.0001-3.0000mL/min (to 130Mpa) 3.0001-5.0000mL/min (to 80Mpa) Flow rate accuracy: ±1% Flow rate precision: less than 0.05% RSD Maximum Pressure: 18850 psi or 130 Mpa Operating temp range: 4°C to 35°C Plunger rinsing: Automatic rinsing Safety measures: Leak sensor, high-pressure/low-pressure limits			
	set	Additional: LC-20AD Pump for Post Column Derivatization	2		
	set	SHIMADZU Photo Diode Array Detector, SPD-M20A Light source: Deuterium (D2) lamp, Tungsten lamp (W) Number of Diode elements: 512 Wavelength range: 190nm - 800nm Slit Width: 1.2 nm, 8 nm Wavelength accuracy: ±1nm max. Noise: $\pm 0.6 \times 10^{-4}$ AU Drift: 5×10^{-4} AU/h Cell temperature: -9 to 50 °C in 1°C step setting range Function: Contour output, spectrum library, MAX plotting	1		
	set	SHIMADZU Fluorescence Detector, Model RF-20AX Light source: Xenon lamp, low-pressure Mercury lamp (to check wavelength accuracy) Wavelength range: 0, 200nm - 750nm Spectral bandwidth: 20nm Wavelength accuracy: ±2nm S/N Ratio: Water Raman peak S/N 2000 min. Cell: (Room temperature -10°C to 40 °C)	1		
	set	SHIMADZU Gradient Mixer Concentration Accuracy: ±0.5% (1 mL/min) Gradient profile: Step, linear and exponential functions possible at multiple levels Mix ratio setting range: 0 -100% in 0.1% steps Program steps: 400 steps per program; 20 program files	1		
	set	SHIMADZU Reservoir Tray/Solvent Tray	1		

Date Time

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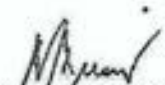
PURCHASE ORDER
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Supplier INSTRUMIX SUPPLIER, INC.		P.O. No.: 2019-02-0097 (GFE)			
Address: Unit 433-434 CityLand Paring Tamar Tower 2210 Don Chino Rocas Ave. Makati City ITN		Date: February 20, 2019 Mode of Procurement: Public Bidding			
Gentlemen: Please furnish this Office the following articles subject to the terms and conditions contained herein:					
Place of Delivery: Metrology Building (not later than 4:30 pm)		Delivery Term: 120 days Payment Term:			
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
				TOTAL CARRIED FORWARD	
	set	SHIMADZU Column Oven, Model CTO-20AC Temperature-control method : Forced air circulation Cooling Method : Electronic cooling Temperature setting-range : 4°C to 85°C in 1°C step Temperature control precision : ± 0.1 °C Applicable columns : 6 pcs : 50 mm columns Safety Features : Leak sensor, temperature fuse, temperature upper limit	1		
	set	SHIMADZU On-line Degasser, Model DGU-20A 5 channel on-line membrane type degasser Degassed flow-line capacity : 400 µl Operating Temperature Range : 4°C to 35°C	2		
	set	SHIMADZU Flow line Selection Valve, FCV For Detector Switching flow line	1		
	set	SHIMADZU HPLC Workstation Inclusive of the following: LC Labolutions DB -for total support of analysis work and data management -compatible with Windows 7 & 10 OS System Controller, Model CBM (Control Module) -for connectivity of modules of UHPLC -compatible with HPLC/UHPLC System Complete PC System (DELL Desktop) with USB Keyboard, Mouse and Monitor Colored LaserJet Printer, HP Includes License for Microsoft Office	1		
		OTHER INCLUSIONS/ ADD ON:			
pc		UHPLC Column (C18-1.6µm, 2.0mmx50mm)	1		
pc		INERTSIL HILIC Column (3µm 2.1mm x 75mm)	1		
pc		UHPL/HPLC Vials (2 mL) with cap and septum (20 packs - 100 pcs./pack)	2000		
set		Membrane Filter, Nylon, 0.22 µm (100 pcs./pack)	1		
set		Syringe Filter, 0.22 µm (100 pcs./pack)	1		
set		Solvent Safety Bottle Caps Kit	2		
set		Vacuum Filtration Kit with pump	1		
set		Maintenance kit	1		
set		Tool Kit	1		
set		Complete with installation accessories	1		
set		Free one time -preventive maintenance service within the warranty period	1		
set		Unit/hardware validation (IQ/OQ)	1		
set		Operation and service Manuals in English for all Modules	1		
pc		Equipment Table	1		

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Appendix 61

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Supplier: INSTRUMIX SUPPLIER, INC.			P.O. No.: 2019-02-0097 (GFE)		
Address: 1st 433/434 CityLand Paving Tower 2210 Don Chino Rocas Ave. Makati City TIN:			Date: February 20, 2019 Mode of Procurement: Public Bidding		
Fulfillment: Please furnish this Office the following articles subject to the terms and conditions contained herein.					
Place of Delivery: Metrology Building (not later than 4:30 pm) Date of Delivery:			Delivery Term: 120 days ✓ Payment Term:		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
	set	Amino Acid Analysis Tubing Kit	1		TOTAL CARRIED FORWARD 267,410.71 320,892.85 53,482.14 5,669,107.15
	set	Shim-pack Amino Na (Amino Acid column)	1		
	set	Shim-pack ISC-Na (Column for Ammonium Trap)	1		
	set	Amino Acid Analysis Kit			
		-Amino Acid Mobile Phase Kit-Na -Amino Acid Solution - OPA reagent - Amino Acid Solution-NA reagent	Less: VAT EWT		
		Uninterruptible Power Supply (UPS), 3 KVA Model: Phoenix TTN-V 3000+			
	set	Country of Origin: Japan			
Warranty: Warranty of Three (3) Years on parts and service which shall commence after the equipment was turned over to the customer in perfectly running condition. Defective parts and faulty materials will be replaced FREE OF CHARGE. However, non-compliance to the operation manual of the equipment and improper handling voids the warranty. Preventive Maintenance is included in the warranty and replaceable consumables is included during preventive maintenance.					
Installation and commissioning: Equipped with at least one (1) factory trained engineer and application chemist for LIHPLC/HPLC. With instrument installation, commissioning and initial operation by the supplier's technical engineer/application chemist, free-of-charge, and that also includes certificates of installation qualification, operational qualification and equipment qualification.					
Training: Local training by foreign expert to cover complete training plan for advance troubleshooting and maintenance of equipment to meet the metrological quality of measurements.					
End User: AARON C. DACUYA					
(Total Amount in Words) Five million six hundred sixty nine thousand one hundred seven pesos & 15/100					
Confirms:  Lourdes P. Sasin Signature over Printed Name of Supplier March 29, 2019 Date			Very truly yours,  ANNABELLE V. BRIONES P.D. Signature over Printed Name of Authorized Official Director Designation		
Fund Cluster: Regular Fund A/c. Program: Proj 1: Chemical Metrology for Organic Contaminants in Food and Water Funds Available: ₱ 5,990,000.00			ORS/BURS No.: 2019020303 Date of the ORS/BURS: _____  SOLEDAD S. REYES Signature over Printed Name of Chief Accountant/Head of Accounting Division/Unit		