



NOTICE TO PROCEED

October 22, 2024

Ms. Fe Lourdes Suasin-Briz
Product Specialist
Instrumix Supplier, Inc.
11/F Sun Life Centre, 5th Avenue corner Rizal Drive
Bonifacio Global City, Taguig City

Dear **Ms. Suasin**:

Please be informed that notice to proceed is hereby given to **Instrumix Supplier Inc.** with regards to the attached P.O. # 738-2024 for the Procurement of High-Performance Liquid Chromatography with Autosampler effective upon receipt of this notice.

Upon receipt of this notice, you are responsible for performing the services under the terms and conditions of the Contract and in accordance with the Implementing Schedule.

Please acknowledge receipt and acceptance of this notice by signing both copies in the space provided below. Keep one (1) copy and return the other to the Food and Nutrition Research Institute.

Thank you and our best regards.

Very truly yours,

Lucieden G. Raz
ATTY. LUCIEDEN G. RAZ
Deputy Director/Director III and
Officer-in-Charge, Office of the Director

Conforme:

Fe Lourdes S. Briz
Signature over Printed Name
Representative of the Winning Bidder
Date of receipt: 10/30/2024

PURCHASE ORDER



Republic of the Philippines
Department of Science and Technology
FOOD AND NUTRITION RESEARCH INSTITUTE
General Santos Avenue, Bicutan, Taguig City, Philippines



Supplier: **INSTRUMIX SUPPLIER, INC.**
Address: Unit 433/434 Cityland Pasong Tamo Tower, 2210 Don Chino Roces Avenue, Makati City
TEL# 812-0010 / 511-8075
TIN: 000124893000

PO.No. **738-2024**
Date **14-Oct-2024**
Mode of Procurement: **Public Bidding**
PR# **2024-08-480 dtd. 08-14-2024**

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

Place of Delivery: **c/o FNRI Property Section**
Date of Delivery: **30 Calendar Days upon receipt of approved PO**
Delivery Term: **30 Calendar Days upon receipt of approved PO**
Payment Term: **30 Days**

Stock/Property No.	Unit	Description	Quantity	Unit Cost	Amount
	lot	ONE LOT HIGH PERFORMANCE LIQUID CHROMATOGRAPHY WITH AUTOSAMPLER Origin: JAPAN Features: The HPLC system includes the following individual stackable self-contained HPLC modules. This is capable of standalone operation with keypad operation buttons to be able to perform maintenance, calibration and validation without the need to connect with LC software > With automated support functions utilizing digital technology, such as Analytical Intelligence (AI), that enable higher productivity and maximum reliability	1	4,180,000.00	4,180,000.00
	set	SHIMADZU Solvent Delivery Unit, Model LC-40D with automatic rinsing kit and reservoir tray Solvent delivery : Parallel-type double plunger Plunger capacity : 10 µL Flow rate setting range : 0.0001mL/min to 10.000mL/min Flow rate precision : ≤ 0.06% RSD Gradient concentration accuracy: ± 0.5% Available pH range : pH 1 to pH 14 Allowable Max Pressure : 44 MPa Can do low-pressure gradient mode and mobile phase blending	1		
	set	SHIMADZU Low Pressure Gradient Unit with Mixer	1		
	set	SHIMADZU Photodiode Array Detector(PDA) SPDD-M40 Light source: Deuterium (D2) lamp, Tungsten lamp Number of diode elements: 1024 Wavelength range: 190nm - 800nm Wavelength accuracy: ≤ ± 1 nm Wavelength reproducibility: ≤ ± 0.1 nm Slit width: 1.2 nm, 8 nm Spectral resolution: ≤ ± 1.4 nm Drift: ≤ 0.4 x 10 ⁻³ of AU/h Noise: ≤ 4.5 x 10 ⁻⁶ AU Linearity: 2.5 AU Flow Cell: Equipped with temperature control function for improvement performance stability Available pH Range: 1 - 13 Cell temperature: 19°C TO 50°C > Equipped with UV cut-off filter to improve the quantitation accuracy of photodegradable compounds	1		

2:PM

	SHIMADZU Column Oven, Model CTO-40C		
	Temperature-control method: Forced air circulation		
set	Cooling Method: Electronic Cooling Temperature setting range: 15°C to 100°C Temperature precision: 0.05°C Temperature accuracy: ± 0.5°C Containable column size: Up to 250 mm column x	1	
	SHIMADZU On-line Degasser, Model DGU-405		
set	5 channel on-line membrane type degasser (4 lines for Pump and 1 line for Autosampler) Degassed flow-line capacity: 400 µL Can continuously remove dissolved gases from liquid through a degassing membrane	1	
	SHIMADZU Autosampler, Model SIL-40C		
	Injection method: Total-volume Injection Injection-volume: 0.1 µl to 100 µl Sample cooler: Air-circulation temperature control type Sample cooler temperature setting range: 4 to 45°C		
set	Number of samples: 162 (1.5 mL sample vials; 54x3 plates) Maximum operating pressure: 44 MPa Injection-volume accuracy: ≤ ± 1% Injection-volume reproducibility: ≤ 0.15% RSD (for more than 5 µL) Sample Carryover: ≤ 0.005% (with rinse) Injection cycle time: ≤ 6.7 seconds Operating pH range: pH 1 to pH 14	1	
	SHIMADZU Refractive Index Detector (RID), RID-20A		
set	Refractive index range : 1 to 1.75 RIU Noise Level : ≤ 2.5 x 10 ⁻⁹ RIU/max. Drift : ≤ 1 x 10 ⁻⁷ RIU/h max. Range : A mode: 0.01 x 10 ⁻⁶ to 500 x 10 ⁻⁶ RIU Response : 0.05 to 10 sec, 10 steps Maximum flow rate : 20 mL/min Temperature control of cell unit : 30 to 60°C Zero Adjustment: Auto zero, Optical zero, Fine zero Cell volume : 9 µL	1	
	SHIMADZU HPLX Workstation		
set	Inclusive of the following: LabSolution LC - for operation and data analysis - compatible with Windows 10 OS	1	
	System Control, Model CBM		
set	- for connectivity of modules - Can connect up to 8 modules/units	1	
	Complete PC System		
	Specifications:		
set	- Dell G5 5090 - Operating System: Windows 10 Home 64-bit - Processor & Chipset: 9th Generation Intel Core i9-9900 Processor, (8-Core, 16MB Cache, up to 5GHz with Intel Turbo Boost Technology) - RAM Memory: 32GB Dual Channel DDR24 at 2666MHz; up to 64GB - Solid State Drive (SSD): 1TB M.2 PCIe NVMe SSD - Wireless LAN: Qualcomm DW1810, 1x1, 802.11ac - Bluetooth: Bluetooth 4.2	1	
set	License MS Office Home and Business 2021 (Perpetual)	1	

	OTHER INCLUSIONS/ ADD ON:	
packs	1.5 mL Sample vials with cap and septum (100pcs/pack)	2
packs	Syringe Filters, Pore: 0.45(μm) (100pcs/pack)	2
packs	Nylon Membrane Filter, Pore: 0.45(μm) (200pcs/pack)	2
set	Free one time preventive maintenance service within the warranty period.	1
kit	Preventive Maintenance Kit	1
kit	Tool Kit	1
pcs.	2-port Solvent Safety Bottle Caps	4
pcs.	Media Storage Bottle, Pyrex, Clear Capacity: 1000 mL	4
unit	Uninterruptible Power Supply (UPS), 3KVA with 10 mins back-up	1
unit	Monochrome Laser printer (HP Laserjet)	1
	SPE Vacuum Manifold Brand: GL Sciences Model: InertSep Vacuum Manifold, 12 ports Standard 12-port model With Female Luer inlets fit all male Luer tipped SPE tubes and cartridges	1
	Sample Concentrator Brand: Eyela Model: MGS-3100 Temperature Control Range: RT+ 5~200°C Temp Control Accuracy/ Uniformity: ±0.1~0.2°C Temp Control: PID control Temp setting / display: Shet key input / digital display Timer function: Auto stop, Auto start Display: 0.1°C Heating Time: 20→100°C Approx. 15 min; 20→200°C Approx. 40 min Program Function: 1 program / 8 steps Timing Range: 0 to 99hr 59min Heating method / temp sensor: Mica heater 235W / Pt 100Ω Aluminum Block: MGB-1822 (OD 18mm test tube, x 22 holes) Manifold: S-022 needles for MGB-1822, x 22 nozzles Connection diamter: Flow control valve nozzle, OD 9 mm Operating Ambiance: 5~°C Power: 220V With Nitrogen Regulator	1
unit	Supply and Installation of 2HP Split Type wall- mounted Air conditioner with dran pump including the power supply with one-year warranty parts and services	1
	Equipment Warranty: Warranty of Two (2) Years on parts and services. 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. Includes free one time-preventive maintenance service within the warranty period.	

After Sales Support: Guaranteed parts availability is ten (10) years upon procurement. have an After Sales Support with a response time of within 2 working days after the report of trouble.

Installation and Commissioning: Free-of-charge by Factory Trained Engineer. Includes Installation and Performance Qualification.

Training: Training on principles and operation of HPLC to be conducted by the technical expert from the manufacturer and with local training.

Less 5% VAT	186,607.14	4,180,000.00
1% EWT	37,321.43	223,928.57
NET		3,956,071.43

Charged to: Smarter OneLab for Industry 4.0 through Testing and Calibration, Education, and Discovery (OneLab for TED)

End-User: FAITH CHALICE M. ISLA

(Total Amount in Words) Four Million One Hundred Eighty Thousand Pesos

In case of failure to make the full delivery within the time specified above, a penalty of one-tenth(1/10) of one percent for every day of delay shall be imposed.

Conforme:

Very truly yours,

Fe Lourdes S. Briz
(Signature over printed name)

10 / 30 / 2024
(Date)

Lucieden G. RAZ
ATTY. LUCIEDEN G. RAZ

Deputy Director / Director III
Officer-In-Charge, Office of the Director

Fund Cluster: 07
Funds Available: 4,180,000

BONJOBIE F. CAJANO CPA CTT
Accountant III

ORS/BURS No.: 06-308207-2024-10-036
Date of the ORS/BURS: 10/18/24
Amount: 4,180,000.00

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