Appendix 61 **Purchase Order** INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE INSTRUMIX SUPPLIER, INC Suppli1er P.O. No. GIAE-PO-2023-12-1507 (STD) Address Unit 433/434 CityLand Pasong Tamo Tower 2210 Don Chino Roces Ave. Makati City Date : December 11, 2023 Mode of Procui Please furnish this Office the following articles subject to the terms and conditions contained herein: Place of Delivery STANDARDS AND TESTING DIVISION Delivery Term : 90 CD Date of Deli Stock/ roperty N Quantity Unit Cost SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING 7,577,000,00 OF ONE (1) UNIT HIGH PERFORMANCE LIQUID ITEM/DESCRIPTION SHIMADZU HIGH PERFORMANCE LIQUID CHROMATOGRAPHY SYSTEM WITH ACCESSORIES General With automated support functions utilizing digital technology, such as Analytical Intelligence (AI), that enable higher productivity and maximum reliability. Supports the acquisition of high quality, reproducible data for both routine and demanding applications Auto-diagnostic and recovery: Equipped with auto-diagnostic for trapped bubbles and recovery a has the ability to monitor baseline changes and pressure fluctuations to check for When it detects an unusual fluctuation, it can automatically pause the analysis, purge the flow path, and restart analysis once it has confirmed recovery to normal pressure. Flow Control Equipped with smart flow control that automatically increase the flow rate gradually to the set point without creating start-up protocols 1 Unit SHIMADZU SOLVENT DELIVERY UNIT MODEL: LC-400 Pumping method Parallel-type double plunger (approx. 10 μL/1 stroke) Allowable maximum pressure 44 MPa Flow rate settings range 0.0001 - 5.0000 mL/min (1.0 - 44 MPa) 5.0001 - 10.0000 mL/min (1.0 - 22 MPa) Flow rate accuracy 1% or ± 2 uL/min, whichever greater (under specified conditions) Flow rate precision s0.06% RSD or 0.02 min SD, whichever greater Gradient mode Quaternary low-pressure gradient Gradient range of set concentrations 0 to 100% (0.1% step) Gradient concentration accuracy ± 0.5% (under specified conditions) SUS316L, Hastelloy® C, PEEK, PTFE, Sapphire, Ruby Wetted materials Available pH range Dimensions [mm] W 260 × D 500 × H 140 10 kg 4 to 35°C Weight Operating temperature range AC 220 V, 150 VA, 50/60 1 Unit SHIMADZU ON-LINE DEGASSER SNIMADZU ON-LINE DEGASS MODEL: DGU-405 Number of degassed solvents Degassed flow line capacity Dimensions [mm], weight Operating temperature range Power sumal. 400 µL/1 line W 260 × D 500 × H 72, 4 kg 4 to 35°C Power supply Supplied from solvent delivery unit 1 Unit SHIMADZU COLUMN OVEN MODEL: CTO-40C
Temperature control type
Temperature control range
Temperature accuracy
Temperature accuracy
Temperature precision
Containable column size and
Number Forced air circulation
Room temperature – 10°C to 100°C
± 0.5°C
± 0.05°C Up to 250 mm L. column × 6 or 300 mm L. column × 3 SHIMADZU AUTOSAMPLER
MODEL: SIL-40C
Injection method
Allowable maximum pressure
Injection volume
Linearity
Linearity
Linearity
Samples for processing
Samples for processing
Injection volume reproducibility 1 Unit Total-volume Injection (standard)
44 MPa
0.1 to 100 μL
± 1% (5 μL injection, n = 20)
≤ 0.9993
≤ 6.7 seconds
RSD 1.0% (0.5 to 0.9 μL), RSD 0.5% (1.0 to 1.9 μL),
RSD 0.25% (2.0 to 4.9 μL), RSD 0.15% (More than 5.0 μL),
RSD 0.25% (typically, 0.5 μL), RSD < 0.25% (typically, 1.0 μL)
0.0025% (without rinse)
d equipment Dip rinsing outside the needle Stands and injection port rinsing Sample cooler temperature setting range 4 to 45°C (Room temperature needs to be less than 30°C and humidity (Room temperature needs to be less than 70% to set 4°C) SUS316L, DLC, PEEK, GEP, PTFE, FEP, ETFE, sapphire, Ceramics, PPS, FEKM 1 to 14 W 260 × D 500 × H 280, 17 kg to 45°C sons [mm], weight 1 Unit SMIMADZU PHOTODIODE ARRAY DETECTOR Model SPD-M40A Model SPD-M40A
Light source
Number of diode elements
Wavelength range
Wavelength accuracy
Wavelength reproducibility
Sin width Deuterium (D2) lamp, Tungsten lamp 190 to 800 nm 1 1 nm 2 0.1 nm 1 2 nm, 8 nm 5 \$ 1.4 nm 8

EMAILED

\$ 0.4 × 10-3 of AU/h (c

## Purchase Order

opli1er :	INSTRUMIX	SUPPLIER, INC		P.O. No.: GIAE-F		PO-2023-12-1507 (STD)	
ress :	Jnit 433/434 CityLand Pasong Tamo Tower 2210 Don Chino Roces Ave. Makati City			Date :	December 11, 2023		
:			Mode of Procurement : PB		В		
tlemen:	Please furnish this	Office the following articles subject to the terms and $\infty$	enditions contained herein:				
e of Deliver	The second second	ARDS AND TESTING DIVISION		Delivery Term: 90 CD Payment Term:			
Stock/	Unit	Particulars		Quantity	Unit Cost	Amount	
operty No.		Noise	≤ 4.5 × 10-6 AU (under s	specified conditions)			
		Linearity Standard flow cell	2.5 AU (under specified of Optical path length: 10 m	conditions)			
		Cell temperature control range	Cell volume: 12 µL, Press 19 to 50°C, 1°C Step	ure: 12 MPa			
		Available pH range	1 to 13	2004			
	1	Dimensions [mm], weight Operating temperature range	W 260 × D 500 × H 140, 1 4 to 35°C	10 kg			
		Power supply	AC 220 V, 180 VA, 50/60	Hz			
	1 Unit	SHIMADZU SPECTROFLUOROMETRIC	DETECTOR				
		Model: RF-20AXS Light source	:Xenon lamp				
		Wavelength range	Low-pressure mercury la :200 to 750 nm	imp			
		Spectral bandwidth	:20 nm		1		
		Wavelength accuracy Wavelength precision	:± 2 nm :± 0.2 nm				
		S/N	:Water Raman peak S/N Low background S/N • :				
		Range of cell temperature control	:Room temperature - 10	°C to 40°C, 1°C step			
		Cell	:Standard conventional of maximum pressure 2 Miles	Pa			
		Sampling rate Function	:Max. 100 Hz (Single wav :Simultaneous measuren		ns, Wavelength		
			Scanning				
	1 Unit	SHIMADZU DIFFERENTIAL REFRACTI MODEL: RID-20A	VE INDEX DETECTOR		-		
		Measurement range	:1 to 1.75 RIU				
	1	Noise Drift	:5 2.5 × 10-9 RIU :5 1 × 10-7 RIU/h				
		Range	:A mode: 0.01 × 10-6 to P, L-mode: 1 × 10-6 to 5				
		Response Polarity - Change	:0.05 to 10 sec, 10 steps :Available				
		Zero adjustment	:Auto zero, Optical zero,	Fine zero			
		Maximum flow rate Range of cell temperature control	:20 mL/min :30 to 60°C				
		Cell Sampling rate	:Volume 9 µL, Maximum :Max. SD Hz	pressure 2 MPa			
		Omensions [mm], weight Operating temperature range	.W 260 × D 420 × H 140.	12 kg			
		Power supply	:4 to 35°C :AC 220 V, 150 VA, 50/60	) Hz	1		
	1 set System Controller/ reservoir tray, Model SCL-60						
	Connecting all UHPLC modules to the software     system controller features a touch panel and allows the use			control the instrument a	ind carry out		
		<ul> <li>analysis preparation directly without</li> <li>Connection via Ethernet</li> </ul>	the need for a PC. A graphical	al UI makes the controlle	er easy to use.		
	1	-Offers 8 Fiber Optic ports for control -2 events	lling other system componen	its of	1		
	EMMORRAL COLUMN A	-PC-55N A/D boards can be installed -All legacy 20- and 30-Series components	and a second	v			
	1 set Mobile Phase Monitor (MADM-40)						
	2.500	Shimadzu's new Mobile Phase Monito	or (MPM) is an accessory of	fering gravimetric monit	toring of the		
		nearly any HPLC system. When the remaining mobile at vendor neutral solution that can be used on					
		automatically stop the batch to ensur	e the system is not run dry.	nes a user-specified leve	I, the MPM will		
	1 unit	SHIMADZU FRACTION COLLECTOR					
		Model: FRC-10A Maximum Flow Rate	150 mL/min				
		Fractionation Mode	Configured through a con	mbination of basic mode	finitial		
			parameter mode) and time program mode (	(14 parameters)			
	1		fully automated analytica automated collection of p	fraction collector	do (analy by		
			mode or combination of t	ooth, and manual	uc/peak based		
		Compatible Containers and Quantit		ni of the delay volume			
			Rack No. 2A 64 fractions Test tubes, D18XL105 20 r	mL, 100pcs	1		
			Rack No. 5 120 fractions Test Tube, D10XL75 2- 3.5	ML 350 pcs.			
		W 9000 to 10	Rack No. 1 144 fractions Test tubes (pp),2- 4 mL, 25	50pcs			
		Size and Weight	W 260 × H 280 × D 320 mi	m, 18.5 kg			
	1 Set	LabSolutions™ Chromatography Software					
		Extract the Smallest of Sho     The i-PeakFinder tool can a	ulder Peaks	aven by			
		high noise, and accounts fo	or baseline drift for higher inte	even in complex chroma egration accuracy.	atograms with		
			quantify peaks that cannot be specifying the time and wavele		y a column.		
		Manually setting the basel	ine for fused peaks is time-cor				
	Dynamic Range Extension 6		Function for Assurate Call				
	analysis of high-concentration compour		nethod that slenificantly auto-		enables the		
	calibration curve			and a st			
		1 set 6-position 7-port valve					
		2 sets method development l application note for gu	method development HPLC column with 3 different column packings with inclusion of application note for quantitation of phytochemical compounds and good packings.				
		diameter: 4.6mm; parti	teces/set) with guard columns cle size: 3.5um)	(column length: 150mm;	internal		
		2 sets flavonoid analytical sta kaempferoi (297.0%, Si	ndards: quercetin (>95% purity 30mg)	/, 10g/bot), -			
		3 packs membrane filter (pulse	ance and troubleshooting m for solvent with pump				
		3 packs membrane filter (nylon 10 packs 100 pcs/pk HPLC vials ( (PTFE/silicone), and two	, 0.2 um) for filtration system, 1.5 or 2 ml, clear, with writing a	100 pcs/pk area and graduation) with	cap, septa		
		2 packs nylon syringe filter (por 2 sets glass syringe (5 ml, bor	e; 0.20 um, diameter: 25 mm),	11	•		

Purchase Order INSTRUMIX SUPPLIER, INC. GIAE-PO-2023-12-1507 (STD) Unit 433/434 CityLand Pasong Tamo Tower 2210 Don Chino Roces Ave. Makati City December 11, 2023 Please furnish this Office the following articles subject to the terms and conditions contained herein STANDARD AND TESTING DIVISION Stock/ operty No Unit Amount 1 set 1 set 1 pc 2 pcs 2 sets 1 set 1 set 1 set media bottle (1 L, amber, borosilicate glass), 4pcs/set solvent safety bottle caps kit (4pcs/set) deuterium lamp (spare) HPLC waste receiving container (applicable to polar and nonpolar solvents) with capacity 4L heavy duty extension cord (6 outlets and cable length 5 m, with switch and circuit breaker) 10 kVA Uninterruptible Power Supply (UPS) with 30 mins back up time 10 kVA AVR copy of all operating and service manual in English equipment table copy of all operating and service manual in English equipment table
Worktop: Solid phenolic resin electron beam cured and double-sided surface, heat/acid/hemical/stain resistant with antibacterial properties, 10 years guarantee scratch/impact/wear resistant, Easy to clean suitable for contact with food.
Certification on Greenguard, SEFA 3, ISO Certification 9001. & 14001. Lest for antibacterial resistance and NSF with Chemical Resistant Rating of 0 (No Effect) to 1 (Excellent) according to SEFA 3 specially on reagent like Actone, Ethyl ether, benzene, hydrofluoric acid, sulfuric acid, nitric acid, etc., and ASTM Test of worktop physical properties.
Thickness and Color: 20 mm, Black, beveled edge.
Base/Frame: 3"x2" Steel Square Bar Epoxy powder coated paint Finish with heavy duty leveling bolt.
Load capacity: 300 kg
laboratory chair
Ergonomic chair with glides and foot ring
Seat height adjustment:550 to 800 mm and backrest height adjustment
Twin castors for hard floors and chrome plated steel parts
Upholstery: Synthetic leather cushion-washable, resistant to disinfectant and easy to care Conforms to the following standards:
GMP compatible
Air Cleanliness class according to DIN EN ISO 14644-1
DIN 68877
Dehumidifier
Capacity: 201/ 24 Hours 1 set 1 set Dehumidifier Capacity: 20L/ 24 Hours Humidity Adjusted Range: 40%-90% Refrigerant: R-134A With Carbon Filter With Carbon Filter
With Carbon Filter
With Carbon Filter
With Drains to Keep Continuous Drainage Function
Includes Operation Manual in English
Portable Furne Extractor
Ducttes hond with digital display; Ducts 2
System flow: <2.5x150 m3/h
Air velocity: <2.5x11 m/s
Filtering efficiency: 0.3 um, >99.9%
Noise: <0.dB
Dimensions (mm): 350-450 x 200-250 x 350-450
Manuals (-2.3x1 mm): 1 set Noise: <60 dB
Dimensions (mm): 350-450 x 200-250 x 350-450
Weight <15kg
Voltage: 1109/220V, Power: 200W
Laston
Las 1 501 6 F. 1 set All-in-One Printer, Fax, Wi-Fi Connectivity capable of Printing A4 and Legal Document Size Copy Capability: Black and White, Color Automatic Document Feeder: 35 pages Stand Alone Copying: Yes Printer - Supported OS: Windows 10 Includes 1 bottle each of ink (black, magenta, cyan and yellow Scanner - File formats: TIFF, PDF, JPEG Scanner - File formats: TIFF, Computer desktop processor: i5 OS: windows 10 pro RAM: 16 GB; ROM: 2 TB SSD 27 inches monitor 1 set includes MS Office (Word, Excel, Powerpoint) lifetime license computer accessories which include to wired mouse, wired keyboard, router, UPS and AVR (wattage depending on the computer requirement) Warranty: Five (5) years warranty on parts and services of the HPLC system annual Preventive Maintenance included in the warranty for 5 years maintenance kits included during preventive maintenance On-site Training: Operational training: training on operation, data analysis, troubleshooting with the assigned application chemist inclusion of necessary reagents/supplies needed for the operational and application. training such as standards (1 set of quercetin; >95% purity, 10g/bot, and kaempferof; 297.0%, 500 mg), mobile phase (1 set), syringe filter (1 pack), Training: Application training with a foreign expert on method Training: Application training with a foreign expert on method development and optimization of flavonoids using HPLC; include application note on the analysis of 2 or instructions using in Eu., include application note on the analysis of indivation. Others: compounds in plants (specifically quercetin and kaempferol) power requirement: 220 V@ 60 Hz 7.577.000.00 338,258.92 Less: VAT EWI 67,651.78 405,910.79 TOTAL: 7,171,089.38 n on One Hundred Seventy One Thousand Eighty Nine Pesos & 30/100 In case of failure to make the full deli specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed Very truly yours Alpren TERENIAN LAWRENCE R. MANGENES DR. ANNABELLE V. BRIONES 67 23 2024 MARTER ONELAB FOR INDUSTRY 4.0 PATRICIA ASHLEY M. MENII
Signature over Printed Name of Chief Accountant/Head of Account ITI, M.