

# Purchase Order

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

*R2, 1146TF*

Supplier: <b>ITS SCIENCE PHILS., INC.</b>	P.O. No.: <b>GIAE-PO-2022-09-1082 (CED)</b>
Address: #3434-C.C. Raymundo Ave., Rosario, Pasig City	Date: September 21, 2022
TIN: 006-866-279-000	Mode of Procurement: PB

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

Place of Delivery: Metrology Building  
 Date of Delivery: \_\_\_\_\_  
 Delivery Term: 90CD  
 Payment Term: \_\_\_\_\_

Stock/Property No.	Unit	Particulars	Quantity	Unit Cost	Amount
1	unit	<b>Supply, Installation and Commissioning of The SFT-120XW Supercritical Fluid Extractor</b> <b>Brand: SuperCritical Fluid Technologies, Inc.</b> Standard Configuration ✓ Temperature and Pressure Display: Independent LED display. ✓ Temperature Range: Ambient to 200°C ✓ Temperature Precision: +/- 0.5°C. ✓ <i>Operating Pressure: 10,500 PSI upper pressure limit</i> ✓ Front keypad control, with LED display, Constant pressure mode of operation. ✓ Flow Rates: Up to 50 ml/min liquid CO2 (+/- 2% accuracy). ✓ Over Pressure Safeguard: High/Low pressure alarms and rupture disc assembly. ✓ Nex10 high Pressure Pump: High performance, pneumatically driven piston pump rapidly compresses liquid CO2 from tank pressure (750-900 psi) up to the pressures required for SFE, SFR, and other high-pressure applications. The pump operates in a constant pressure mode. ✓ Restrictor Valve: Controls flow precisely; heated up to 200°C; User selectable set point; Resistant to blockage. ✓ Pre-heater: Improves temperature consistency of the fluid by * to 100 ml. (Up to 1000 ml for the SFT-120XW) <i>heating the fluid before it reaches the main pressure vessel.</i> ✓ Extraction Vessel: Accommodates vessels ranging in size from 5ml to 100 ml. (Up to 1000 ml for the SFT-120XW) Vessels come with 5 micron frits and are interchangeable. ✓ Collection Vessel: Externally mounted. Many options available. ✓ SFT-120XW Dimensions: Width: 40 cm, Depth: 57 cm, Height: 102 cm ✓ Power Requirements: 220 VAC, 50/60 Hz Liquid Gas Supply: Liquid CO2 cylinder with dip tube. ✓ Nex10 Liquid CO2 Pump Module ✓ Additional Hand Tight Vessel, 500 mL: 10,000 psi and 200degC <i>operation</i> ✓ Co-Solvent Additional Module ✓ Gas Flow Meter ✓ CO2 with Cylinder and regulator, connectors and adapters ✓ 5kVA UPS ✓ <b>WARRANTY: Two (2) years on parts and service</b> <b>Package includes on-site training of ITDI Personnel on equipment operation</b>	1	3,811,000.00	3,811,000.00
2	pc	Nex10 Liquid CO2 Pump Module		883,438.00	883,438.00
3	pc	Additional Hand Tight Vessel, 500 mL: 10,000 psi and 200degC <i>operation</i>		635,938.00	635,938.00
4	pc	Co-Solvent Additional Module		414,624.00	414,624.00
5	pc	Gas Flow Meter		80,000.00	80,000.00
6	pc	CO2 with Cylinder and regulator, connectors and adapters		20,000.00	20,000.00
7	pc	5kVA UPS		50,000.00	50,000.00
					5,895,000.00
			Less: VAT	263,169.64	
			EWT	52,633.93	315,803.57
			<b>TOTAL:</b>		<b>5,579,196.43</b>

END USER: *Charlene G. Mendoza* 10/03/2022

(Total Amount in Words) Five Million Five Hundred Seventy Nine Thousand One Hundred Ninety Six and 43/100 pesos only

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 on the undelivered item/s.

Conforme:  
*Ryan Branal*  
 Signature over Printed Name of Supplier  
 Date: 10/18/22

Very truly yours,  
*DR. ANNABELLE V. BRIONES*  
 Signature over Printed Name of Authorized Official  
 DESIGNATION: DIRECTOR

Fund Cluster: DOST-MOST CHINA JOINT RESEARCH: GREEN OIL AND PHYTOCHEMICALS FROM CASHEW  
 Funds Available: \_\_\_\_\_  
*Patricia Ashley M. Mendoza*  
 Signature over Printed Name of Chief Accountant/Head of Accounting Division/Unit

Designation: \_\_\_\_\_  
 ORS/BURS No.: *100-20220217*  
 Date of the ORS/BURS: \_\_\_\_\_  
 Amount: *₱ 5,579,196.43*

*(90)*