



Republic of the Philippines  
**Cebu Normal University**  
Osmeña Boulevard, Cebu City  
Telephone Number : 254-6813

**PURCHASE ORDER**

<b>Supplier :</b> INSTRUMIX SUPPLIER, INC.		<b>P.O. No. :</b> 21-06-197			
<b>Address :</b> 7/F COCOFED BUILDING, 144 AMORSOLO ST., LEGASPI VILLAGE, MAKATI CITY		<b>Date :</b> June 11, 2021			
<b>Tel.No. :</b> 812-5971/ 812-5972/ 817-6849		<b>RC Code :</b> 203 / CAS			
<b>TIN :</b> 000-124-893-000		<b>Mode of Procurement</b> Public Bidding			
<b>GENTLEMEN :</b> Please furnish this office the following articles subject to the terms and conditions contained herein.					
<b>Purpose :</b> Procurement of equipment for the upgrading of Science Laboratories: Physics, Biology & Chemistry					
<b>Place of Delivery :</b> Cebu Normal University		<b>Delivery Term :</b> 60 calendar days upon receipt of P.O			
<b>Date of Delivery :</b> August 10, 2021		<b>Payment Term :</b> Through ADA from 5 to 7 days after complete delivery			
<b>Acct Code</b>	<b>Qty</b>	<b>Unit</b>	<b>Description</b>	<b>Unit Cost</b>	<b>Total Amount</b>
	1	lot	Shimadzu Gas Chromatograph Mass Spectrometer (GC/MS) > Model: GCMS-QP2020 NX (Single Quadrupole System) > Origin: Japan INCLUSIONS: • 1 pc UHP Gas Regulator He • 1 unit Turbo Molecular Pump • 1 set GC Consumable Kit • 1 pc He Purification Filter Kit • 1 unit Autoinjector • 1 pc Quartz Wool • 1 pc SUS Pipe for He, 5 meters • 1 pc Helium-specific Filter Kit - 1/8" SS • 1 pc Capillary Column • 1 unit Complete PC System (Desktop with LED color monitor) O/S: Microsoft Windows 10 (lifetime license) • 1 set Desktop CPU Specs:  Core i7 64-bit x86; 2TB Hard drive; 16G RAM; Wifi ready with HDMI, USB and VGA ports; 250G SSD • 1 set NIST Mass Spectrum Library • 1 unit UPS • 1 tank Helium Gas + 1 tank refill • 1 unit Printer  WARRANTY: Twelve (12) months on parts & Three (3) years on services (PM & Calibration) from the date of acceptance. All parts found defective will be replaced free of charge. Non-compliance to manufacturing operating manual and improper handling however voids the warranty	4,800,000.00	4,800,000.00
<b>GROSS PAYABLE AMOUNT</b>					4,800,000.00
<b>DISCOUNT, if any</b>					-
<b>NET PAYABLE AMOUNT</b>					4,800,000.00
<b>GRAND TOTAL</b>					
is on page 13					
<b>In case of failure to make the full delivery within the time specified above, a penalty of one-tenth ( 1/10) of 1 percent for every day of delay shall be imposed.</b>					
<b>CONFORME :</b>		<b>FLOROMENA T. DAYAGBIL, Ed.D.</b> OIC - SUC President III			
<b>Funds Available :</b>		<b>ALOBS NO. :</b> <b>AMOUNT :</b>			
		<b>ROCHE E. OCAMPO</b> Accountant			
<b>PREPARED BY :</b> fel		Version 1.00 by Edwin O. Monsanto 20120808			





**PURCHASE ORDER**

Supplier : INSTRUMIX SUPPLIER, INC.		P.O. No. : 21-06-197			
Address : 7/F COCOFED BUILDING, 144 AMORSOLO ST., LEGASPI VILLAGE, MAKATI CITY		Date : June 11, 2021			
Tel.No. : 812-5971/ 812-5972/ 817-6849		RC Code : 203 / CAS			
TIN : 000-124-893-000		Mode of Procurement Public Bidding			
GENTLEMEN : Please furnish this office the following articles subject to the terms and conditions contained herein.					
Purpose : Procurement of equipment for the upgrading of Science Laboratories: Physics, Biology & Chemistry		Delivery Term : 60 calendar days upon receipt of P.O.			
Place of Delivery : Cebu Normal University		Payment Term : Through ADA from 5 to 7 days after complete delivery			
Date of Delivery : August 10, 2021					
Acct Code	Qty	Unit	Description	Unit Cost	Total Amount
			GC Specifications: Retention Time Repeatability: < 0.0008 min Peak Area Repeatability: < 1%RSD Easy Maintenance: - Fully integrated alerts and counters for hardware and consumables - One touch injection maintenance button prepares your GC for injection unit maintenance Other System Functions: - Highly precise oven control eliminates any temperature irregularity - Reliable error and warning system (Diagnostic Function) notifies you of any irregularity Safety Measure: - Integrated leak check function - Oven door sensor automatically shuts off all heating elements when the door is opened or not properly closed Flow Control Modes: constant pressure, constant column flow, constant linear velocity Carrier Gas: He, N2, H2 Carrier Gas Flow Range: He: 0 to 1300 ml/min N2: 0 to 600 ml/min H2: 0 to 500 ml/min Flow Setpoint Resolution: 0.1 ml/min  Sleep/Wake Function: put your GC to sleep when not in use to save valuable energy and wake the system to restore the previous analytical settings Upgradability: - Capable of up to three simultaneous injection unit installations - Capable of up to four simultaneous detector unit installations Navigation: Color touch screen		
GROSS PAYABLE AMOUNT				₱	-
DISCOUNT, if any					-
NET PAYABLE AMOUNT				₱	0.00
GRAND TOTAL					
is on page 13					
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth ( 1/10) of 1 percent for every day of delay shall be imposed.					
CONFORME :		J. URBIZTONDO 7/15/21 SUPPLIER'S SIGNATURE OVER PRINTED NAME and DATE		FLORENA T. DAYAGBIL, Ed.D. OIC - SUC President III	
Funds Available :		ROCHE E. OCAMPO Accountant		ALOBS NO. : AMOUNT :	
PREPARED BY : fcl Version 1.00 by Edwin O. Monsanto 20120808					





Republic of the Philippines  
**Cebu Normal University**  
Osmeña Boulevard, Cebu City  
Telephone Number : 254-6813

## PURCHASE ORDER

Supplier : INSTRUMIX SUPPLIER, INC.		P.O. No. : 21-06-197			
Address : 7/F COCOFED BUILDING, 144 AMORSOLO ST., LEGASPI VILLAGE, MAKATI CITY		Date : June 11, 2021			
Tel.No. : 812-5971/ 812-5972/ 817-6849		RC Code : 203 / CAS			
TIN : 000-124-893-000		Mode of Procurement Public Bidding			
GENTLEMEN : Please furnish this office the following articles subject to the terms and conditions contained herein.					
Purpose : Procurement of equipment for the upgrading of Science Laboratories: Physics, Biology & Chemistry					
Place of Delivery : Cebu Normal University		Delivery Term : 60 calendar days upon receipt of P.O			
Date of Delivery : August 10, 2021		Payment Term : Through ADA from 5 to 7 days after complete delivery			
Acct Code	Qty	Unit	Description	Unit Cost	Total Amount
			Injection Port: - Two-position locking mechanism guarantees leak-free sealing - Split/Splitless - Max Operating Temperature: 450°C - Max Operating Pressure: 1035 kPa - Split Ratio: Up to 9999.9:1 Column Oven: - Oven Cooling Rates: Fast, Mid, Low or customize your own - Equipped with Oven light - Oven Volume: 13.7L  - Fits up to two 100mx0.530mm I.D capillary columns - Max Run Time: 9999.99 min  - Temperature Range: (ambient + 2°C) to 450°C - Temperature Setpoint Resolution: 0.1°C  - Oven Cool Down Time: 450°C to 50°C in 3.4 min Advanced Flow Controller: - Pressure Range: 0 to 1035 kPa (0 to 150 psi)  - Pressure Setpoint Resolution: 0.1 kPa (0.001 psi)  - Pressure Sensor Accuracy: < ± 2.0% (full scale) - Pressure Sensor Repeatability: < ± 0.34 kPa Specifications (MS Detector) GCMS Interface: - Direct connection with capillary column - Temperature: 50 to 350°C		
PAGE 3 OF 13 SHEETS				GROSS PAYABLE AMOUNT	-
				DISCOUNT, if any	-
				NET PAYABLE AMOUNT	0.00
GRAND TOTAL					
is on page 13					
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth ( 1/10) of 1 percent for every day of delay shall be imposed.					
CONFORME :		J- UNBIDED 7/5/24		EILEMENA T. DAYAGBIL, Ed.D. OIC - SUC President III	
Funds Available :		ROCHE E. OCAMPO Accountant		ALOBS NO. : AMOUNT :	
PREPARED BY : fcl		Version 1.00 by Edwin O. Monsanto 20120808			





Republic of the Philippines  
**Cebu Normal University**  
Osmeña Boulevard, Cebu City  
Telephone Number : 254-6813

## PURCHASE ORDER

Supplier : INSTRUMIX SUPPLIER, INC.		P.O. No. : 21-06-197			
Address : 7/F COCOFED BUILDING, 144 AMORSOLO ST., LEGASPI VILLAGE, MAKATI CITY		Date : June 11, 2021			
Tel.No. : 812-5971/ 812-5972/ 817-6849		RC Code : 203 / CAS			
TIN : 000-124-893-000		Mode of Procurement Public Bidding			
GENTLEMEN : Please furnish this office the following articles subject to the terms and conditions contained herein.					
Purpose : Procurement of equipment for the upgrading of Science Laboratories: Physics, Biology & Chemistry		Delivery Term : 60 calendar days upon receipt of P.O			
Place of Delivery : Cebu Normal University		Payment Term : Through ADA from 5 to 7 days after complete delivery			
Date of Delivery : August 10, 2021					
Acct Code	Qty	Unit	Description	Unit Cost	Total Amount
			Ion Source: - Front access for easy maintenance - Ionization Mode: Electron Ionization - Filament: Dual (Automatic Switching) - Electron Energy: 10-200eV - Emission Current: 5 to 250µA Mass Analyzer: - Mass Analyzer: Metal quadruple with pre-rods - Mass Range: m/z 1.5 to 1090 - Possible Setting of FWHM: 0.4 to 2.0 u - Mass Axis Stability: ±0.1 u/48 hours (constant temperature) - High-speed Scanning Control: ASSP - Scan Rate: 20,000u/sec - Minimum Measurement Interval: 0.01 s (100 scan/sec maximum) Detector: Electron multiplier with low noise overdrive lens 8x10 dynamic range Vacuum System: - Main Pump: Turbomolecular pump differential exhaust system, 170L/sec + 190L/sec (He)  - Auxilliary Pump: Oil rotary pump, 30L/min (60Hz) - Column Flow: 15ml/min (He) EI Scan S/N : 1 pg Octafluoronaphthalene m/z 272 S/N ratio ≥ 2000 EI 20,000u/sec Scan IDL: 1 pg Octafluoronaphthalene IDL ≤ 500fg Note:  1. The shipment of any items quoted and ordered is subject to compliance with Japan export control rules		
PAGE 4 OF 13 SHEETS				GROSS PAYABLE AMOUNT	-
				DISCOUNT, if any	-
				NET PAYABLE AMOUNT	0.00
GRAND TOTAL					
is on page 13					
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth ( 1/10) of 1 percent for every day of delay shall be imposed.					
CONFORME :		J- URB/21/0000 7/15/21		ELOMENA T. DAYAGBIL, Ed.D. OIC - SUC President III	
Funds Available :		ROCHEL OCAMPO Accountant		ALOBS NO. : AMOUNT :	
PREPARED BY: fel					
Version 1.00 by Edwin O. Monsanto 20120808					





Republic of the Philippines  
**Cebu Normal University**  
Osmeña Boulevard, Cebu City  
Telephone Number : 254-6813

**PURCHASE ORDER**

Supplier : INSTRUMIX SUPPLIER, INC.		P.O. No. : 21-06-197			
Address : 7/F COCOFED BUILDING, 144 AMORSOLO ST., LEGASPI VILLAGE, MAKATI CITY		Date : June 11, 2021			
Tel.No. : 812-5971/ 812-5972/ 817-6849		RC Code : 203 / CAS			
TIN : 000-124-893-000		Mode of Procurement Public Bidding			
GENTLEMEN : Please furnish this office the following articles subject to the terms and conditions contained herein.					
Purpose : Procurement of equipment for the upgrading of Science Laboratories: Physics, Biology & Chemistry					
Place of Delivery : Cebu Normal University		Delivery Term : 60 calendar days upon receipt of P.O.			
Date of Delivery : August 10, 2021		Payment Term : Through ADA from 5 to 7 days after complete delivery			
Acct Code	Qty	Unit	Description	Unit Cost	Total Amount
			2. Installation and training for proper use and operation of equipment will be rendered free of charge provided all the necessary installation facilities and required power supply lines are made ready by the buyer prior to the delivery of instrument.  Schedule of installation and training Part I : Uncrating and check up of shipment Part II: Installation and test run Part III: Training of laboratory personnel 1. Basic Theory and Application 2. Hands-on operation 3. Data Processing and Interpretation 4. Maintenance and Trouble Shooting  Note: Electrical requirements and room requirements should be readily available on-site by the client  3. Technical services will be provided free of charge within the warranty period and to be continued under the Service Contract Agreement at a cost on a yearly basis at the option of the buyer  2. Installation and training for proper use and operation of equipment will be rendered free of charge provided all the necessary installation facilities and required power supply lines are made ready by the buyer prior to the delivery of instrument. Schedule of installation and training Part I : Uncrating and check up of shipment Part II: Installation and test run Part III: Training of laboratory personnel 1. Basic Theory and Application 2. Hands-on operation 3. Data Processing and Interpretation 4. Maintenance and Trouble Shooting  Note: Electrical requirements and room requirements should be readily available on-site by the client  3. Technical services will be provided free of charge within the warranty period and to be continued under the Service Contract Agreement at a cost on a yearly basis at the option of the buyer		
PAGE 5 OF 13 SHEETS				GROSS PAYABLE AMOUNT	-
				DISCOUNT, if any	-
				NET PAYABLE AMOUNT	0.00
GRAND TOTAL					
is on page 13					
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth ( 1/10) of 1 percent for every day of delay shall be imposed.					
CONFORME :		J. MONTANO 7/15/21 SUPPLIER'S SIGNATURE OVER PRINTED NAME and DATE			
Funds Available :		ALOMENA T. DAYAGBIL, Ed.D. OIC - SUC President III			
		ALOPS NO. : AMOUNT : ROCHE E. OCAMPO Accountant			
PREPARED BY: fcl Version 1.00 by Edwin O. Monsanto 20120808					





Republic of the Philippines  
**Cebu Normal University**  
Osmeña Boulevard, Cebu City  
Telephone Number : 254-6813

**PURCHASE ORDER**

Supplier : INSTRUMIX SUPPLIER, INC.		P.O. No. : 21-06-197			
Address : 7/F COCOFED BUILDING, 144 AMORSOLO ST., LEGASPI VILLAGE, MAKATI CITY		Date : June 11, 2021			
Tel.No. : 812-5971/ 812-5972/ 817-6849		RC Code : 203 / CAS			
TIN : 000-124-893-000		Mode of Procurement Public Bidding			
GENTLEMEN : Please furnish this office the following articles subject to the terms and conditions contained herein.					
Purpose : Procurement of equipment for the upgrading of Science Laboratories: Physics, Biology & Chemistry					
Place of Delivery : Cebu Normal University		Delivery Term : 60 calendar days upon receipt of P.O			
Date of Delivery : August 10, 2021		Payment Term : Through ADA from 5 to 7 days after complete delivery			
Acct Code	Qty	Unit	Description	Unit Cost	Total Amount
	3	units	Shimadzu UniBloc Analytical Balance > Model: ATX224 FEATURES: • UniBloc Technology • LCD Digital readout/display • Multi-weight units/modes • Touch key calibration • Built-in calibration • Expanded piece counting function • Comparator function • Windows direct interface/communication to PC • ISO/GLP compliant • With calibration certificate WARRANTY: One (1) year on parts against factory defects & Five (5) years on service SPECIFICATIONS: • Weighing Capacity: 220g • Readability: 0.1mg • Repeatability: ≤0.1mg • Linearity: ±0.2mg • Response Time: approximately 3 seconds • Body Dimension: 213mmWx356mmDx338mmH approx • Pan size: 91mmdia • Power requirement: 12V, 1A • Calibration: Internal and External Standard anti-wind housing/draft shield	133,333.33	400,000.00
GROSS PAYABLE AMOUNT					400,000.00
DISCOUNT, if any					-
NET PAYABLE AMOUNT					400,000.00
GRAND TOTAL					
is on page 13					
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth ( 1/10) of 1 percent for every day of delay shall be imposed.					
CONFORME :		J- UNIDEX 7/15/21 SUPPLIER'S SIGNATURE OVER PRINTED NAME and DATE			
Funds Available :		FILOMENA T. DAYAGBIL, Ed.D. OIC - SUC President III			
		ALOBS NO. : AMOUNT :			
		ROCHE E. OCAMPO Accountant			
PREPARED BY: fel Version 1.00 by Edwin O. Monsanto 20120808					





Republic of the Philippines  
**Cebu Normal University**  
Osmeña Boulevard, Cebu City  
Telephone Number : 254-6813

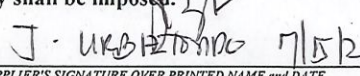
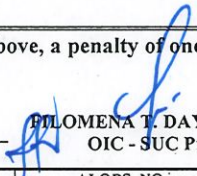
**PURCHASE ORDER**

Supplier : INSTRUMIX SUPPLIER, INC.		P.O. No. : 21-06-197			
Address : 7/F COCOFED BUILDING, 144 AMORSOLO ST., LEGASPI VILLAGE, MAKATI CITY		Date : June 11, 2021			
Tel.No. : 812-5971/ 812-5972/ 817-6849		RC Code : 203 / CAS			
TIN : 000-124-893-000		Mode of Procurement Public Bidding			
GENTLEMEN : Please furnish this office the following articles subject to the terms and conditions contained herein.					
Purpose : Procurement of equipment for the upgrading of Science Laboratories: Physics, Biology & Chemistry		Delivery Term : 60 calendar days upon receipt of P.O.			
Place of Delivery : Cebu Normal University		Payment Term : Through ADA from 5 to 7 days after complete delivery			
Date of Delivery : August 10, 2021					
Acct Code	Qty	Unit	Description	Unit Cost	Total Amount
	1	unit	High Performance Liquid Chromatography (HPLC) with Photodiode Detector > Brand: Shimadzu > Model: Prominence-I Plus INCLUDES THE FOLLOWING: • 1 set Complete PC System (Desktop), O/S: Microsoft Windows 10 Pro, Hard Disk Drive: 1TB, Monitor: 21.5" LED color monitor, Processor: i5 4G RAM • 1 set Continuous Ink Printer • 1 set Getting Started Kit * C18 HPLC Column * 1.5ml Screw-thread Clear Vial with write on spot with PTFE/white silicone septa 100pcs  * Non-sterile Nylon Syringe Filters, 0.45um 100/pk * Solvent safety 4 ports bottle cap kit * Solvent safety 2 ports bottle cap kit • 1 set Vacuum Filtration System • 2 pcs Solvent bottle (500ml) • 1 btl HPLC grade methanol • 1 box Membrane filter, Nylon, 47mmx0.45um, 100pcs/pk  WARRANTY: One (1) year on parts against factory defect & three (3) years on service (PM & calibration) FEATURES: • From setting vial to starting analysis, all the procedures are performed via the equipment • Interactive communication mode feature enables the operator to edit and start analysis and batch files from the HPLC	2,380,000.00	2,380,000.00
PAGE 7 OF 13 SHEETS				GROSS PAYABLE AMOUNT	2,380,000.00
				DISCOUNT, if any	-
				NET PAYABLE AMOUNT	2,380,000.00
GRAND TOTAL					
is on page 13					
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth ( 1/10) of 1 percent for every day of delay shall be imposed.					
CONFORME :		J. URBIZONDO 7/15/21		ELOMENA T. DAYAGBIL, Ed.D. OIC - SUC President III	
Funds Available :		ROCHE E. OCAMPO Accountant		ALOS NO. : AMOUNT :	
PREPARED BY : fel					





**PURCHASE ORDER**

Supplier : INSTRUMIX SUPPLIER, INC.		P.O. No. : 21-06-197			
Address : 7/F COCOFED BUILDING, 144 AMORSOLO ST., LEGASPI VILLAGE, MAKATI CITY		Date : June 11, 2021			
Tel.No. : 812-5971/ 812-5972/ 817-6849		RC Code : 203 / CAS			
TIN : 000-124-893-000		Mode of Procurement Public Bidding			
<b>GENTLEMEN :</b> Please furnish this office the following articles subject to the terms and conditions contained herein.					
Purpose : Procurement of equipment for the upgrading of Science Laboratories: Physics, Biology & Chemistry					
Place of Delivery : Cebu Normal University		Delivery Term : 60 calendar days upon receipt of P.O			
Date of Delivery : August 10, 2021		Payment Term : Through ADA from 5 to 7 days after complete delivery			
Acct Code	Qty	Unit	Description	Unit Cost	Total Amount
			<ul style="list-style-type: none"><li>• Can perform routine operations, such as purging mobile phases, while away from the PC</li><li>• A 14-second injection cycle maximizes the number of samples that can be processed. Moreover, a total of 1536 samples can be accommodated in right and left sample racks</li><li>• Excellent baseline stability unaffected by circumstances</li><li>• Carryover specification is 0.0025%, thereby providing highly precise quantitative performance when analyzing complex sample</li><li>• The quick batch window displays the sample rack mounted on the system. You can create batch files while checking the vial positions in the window</li><li>• The data browser and quantitation browser accelerate the comparison of multiple analytical data and processing of all quantitation results</li></ul> <b>SPECIFICATIONS:</b> Pump Dressing Unit: 5 lines: mobile phase 4 + rinse soln 1 Pumping Method: Parallel-type double plunger Pulsation: ≤0.1 Mpa (1.0ml/min, 10MPa, water) Flow rate setting range: 0.0001 to 10ml/min flowrate accuracy: ≤±1% or ≤±2μL/min  Flow rate precision: <0.06% RSD or <0.02 minSD  Configuration: Four-solvent low-pressure gradient Gradient/range of set concentrations:0 to 100%, in 0.2% steps Gradient/concentration accuracy: ±0.5% Gradient/concentration precision: ±0.1% Maximum pressure: 44MPa Auto Sampler Injection Method: Total volume sample injection Injection volume accuracy: ±1% (50μL, N=10) Injection volume setting range: 0.1 to 100μL (Standard) Injection volume reproducibility: RSD < 0.20% (5.0-2000μL), RSD		
PAGE 8 OF 13 SHEETS				GROSS PAYABLE AMOUNT	-
				DISCOUNT, if any	-
				NET PAYABLE AMOUNT	0.00
GRAND TOTAL					
is on page 13					
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth ( 1/10) of 1 percent for every day of delay shall be imposed.					
CONFORME :  J. URBIZTONDO 7/5/21  FILomena T. DAYAGBIL, Ed.D. SUC President III					
Funds Available :				ALOBS NO. : AMOUNT :	
ROCHE E. OCAMPO Accountant					
PREPARED BY : jcl Version 1.00 by Edwin O. Monsanto 20120808					





Republic of the Philippines  
**Cebu Normal University**  
Osmeña Boulevard, Cebu City  
Telephone Number : 254-6813

**PURCHASE ORDER**

Supplier : INSTRUMIX SUPPLIER, INC.		P.O. No. : 21-06-197			
Address : 7/F COCOFED BUILDING, 144 AMORSOLO ST., LEGASPI VILLAGE, MAKATI CITY		Date : June 11, 2021			
Tel.No. : 812-5971/ 812-5972/ 817-6849		RC Code : 203 / CAS			
TIN : 000-124-893-000		Mode of Procurement Public Bidding			
GENTLEMEN : Please furnish this office the following articles subject to the terms and conditions contained herein.					
Purpose : Procurement of equipment for the upgrading of Science Laboratories: Physics, Biology & Chemistry					
Place of Delivery : Cebu Normal University		Delivery Term : 60 calendar days upon receipt of P.O			
Date of Delivery : August 10, 2021		Payment Term : Through ADA from 5 to 7 days after complete delivery			
Acct Code	Qty	Unit	Description	Unit Cost	Total Amount
			<0.25% (2.0-4.9µL), RSD <0.5%(1.0-1.9µL), RSD <1.0% (0.5-0.9µL) Cross contamination: 0.0025% Injection cycle time: Min. 14 sec Samples for processing: 336 (1ml), 216 (1.5ml) Sample cooler: 4 to 45°C Injection linearity: > 0.9999 Column Oven Heating and cooling method: Forced air circulation method Containable column size: 6pcs at 10cm., 3pcs at 10cm to 30cm  Temperature control range: room temp. 12 to 90°C Temperature control precision: ±0.1°C Temperature stability: ±0.8°C Flow rate switching valve: 1pc PDA Detector Wavelength range: 190 to 800nm Spectral resolution: 1.4nm Slit bandwidth: 1.2nm Device resolution: 0.6nm/pixel Number of photodiode array elements: 1024 wavelength accuracy: ≤±1nm Noise Level: ≤±3 x 10-6AU Drift: ≤500 x 10-6 AU/h Linearity: up to2AU Sampling rate: up to 100Hz		
PAGE 9 OF 13 SHEETS				GROSS PAYABLE AMOUNT	-
				DISCOUNT, if any	-
				NET PAYABLE AMOUNT	0.00
GRAND TOTAL					
is on page 13					
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth ( 1/10) of 1 percent for every day of delay shall be imposed.					
CONFORME :		J. URSIEN 7/15/24 SUPPLIER'S SIGNATURE OVER PRINTED NAME and DATE		FILOMENA T. DAYAGBIL, Ed.D. OIC - SUC President III	
Funds Available :		ROCHE E. OCAMPO Accountant		ALOBS NO. : AMOUNT :	
PREPARED BY : fel					





**PURCHASE ORDER**

Supplier : INSTRUMIX SUPPLIER, INC.		P.O. No. : 21-06-197			
Address : 7/F COCOFED BUILDING, 144 AMORSOLO ST., LEGASPI VILLAGE, MAKATI CITY		Date : June 11, 2021			
Tel.No. : 812-5971/ 812-5972/ 817-6849		RC Code : 203 / CAS			
TIN : 000-124-893-000		Mode of Procurement Public Bidding			
GENTLEMEN : Please furnish this office the following articles subject to the terms and conditions contained herein.					
Purpose : Procurement of equipment for the upgrading of Science Laboratories: Physics, Biology & Chemistry		Delivery Term : 60 calendar days upon receipt of P.O			
Place of Delivery : Cebu Normal University		Payment Term : Through ADA from 5 to 7 days after complete delivery			
Date of Delivery : August 10, 2021					
Acct Code	Qty	Unit	Description	Unit Cost	Total Amount
	1	unit	Light source: Deuterium (D2) lamp, tungsten lamp Flow cell: 10µL Miscellaneous: Dimension: W410 x D500 x H605mm Weight: 63kg Available pH range: 1 to 13 Materials for parts in contact with liquids: stainless steel (SUS316L, SUS316P FEP, PEEK PTFE, perfluoroelastomer, ruby, sapphire, Hastelloy C, GFP, ceramic, PFA, quartz, PPS NOTE  1. Installation and training on proper use, operation and maintenance of equipment will be rendered by us free of charge provided all the necessary installation facilities such as space, required power supply lines, water line and grounding will be made ready by the buyer prior to actual installation work  2. Spare parts and technical services will be provided by us free of charge with in warranty period and to be continued under the Service Maintenance Agreement at a cost on a yearly basis at the option of the buyer  3. The shipment of any items and ordered is subject to compliance with Japan Export Control Rules  Flame Photometer > Brand: Jenway > Origin: United Kingdom > Model: PFP7 INCLUSION: • Filters for Na, K, Li, Ca, Ba • Connecting hoses and clips • Compressor plug, drain trap and fuses • Operation and instruction manual • Air compressor • Water separator	850,000.00	850,000.00.
PAGE 10 OF 13 SHEETS				GROSS PAYABLE AMOUNT	850,000.00
				DISCOUNT, if any	-
				NET PAYABLE AMOUNT	850,000.00
GRAND TOTAL					
is on page 13					
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth ( 1/10) of 1 percent for every day of delay shall be imposed.					
CONFORME :		J. UABADIA 7/15/24 SUPPLIER'S SIGNATURE OVER PRINTED NAME and DATE		ELOMENA T. DAYAGBIL, Ed.D. OIC - SUC President III	
Funds Available :		ROCHE E. OCAMPO Accountant		ALOBS NO. : AMOUNT :	
PREPARED BY : fcl Version 1.00 by Edwin O. Monsanto 20120808					





Republic of the Philippines  
**Cebu Normal University**  
Osmeña Boulevard, Cebu City  
Telephone Number : 254-6813

**PURCHASE ORDER**

Supplier : INSTRUMIX SUPPLIER, INC.	P.O. No. : 21-06-197
Address : 7/F COCOFED BUILDING, 144 AMORSOLO ST., LEGASPI VILLAGE, MAKATI CITY	Date : June 11, 2021
Tel.No. : 812-5971/ 812-5972/ 817-6849	RC Code : 203 / CAS
TIN : 000-124-893-000	Mode of Procurement Public Bidding

GENTLEMEN :

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

Purpose	: Procurement of equipment for the upgrading of Science Laboratories: Physics, Biology & Chemistry	Delivery Term	: 60 calendar days upon receipt of P.O
Place of Delivery	: Cebu Normal University	Payment Term	: Through ADA from 5 to 7 days after complete delivery
Date of Delivery	: August 10, 2021		

Acct Code	Qty	Unit	Description	Unit Cost	Total Amount
			<ul style="list-style-type: none"><li>• Calibration standards for Na, K, Li, Ca, Ba</li><li>• Automatic Voltage Regulator</li></ul> WARRANTY: One (1) year on parts & three (3) years on services  Technical Specification Range: 0 to 199.9 ppm Limits of detection Na: 0.2ppm K: 0.2ppm Li: 0.25ppm Ca: 15ppm Ba: 30ppm Reproducibility: <1% coefficient of variation for 20 consecutive samples using 10ppm Na set to read 50  Linearity: <2% error 3ppm Na/K and 5ppm Li set to read 100 Stability <2% over 5min when continuously aspirating 10ppm sample set to read 50  Recorder output: Nominal 1.0V for a reading of 100  Electrical supply: 90-125V or 190-250V @ 50/60Hz Air Supply: Moisture and oil free, 6L/min @ 14psi Fuel: Propane, Butane, Natural Gas or LPG Size (WxDxH): 420 x 360 x 300mm Weight: 8kg		
PAGE 11 OF 13 SHEETS				GROSS PAYABLE AMOUNT	-
				DISCOUNT, if any	-
				NET PAYABLE AMOUNT	0.00

GRAND TOTAL

is on page 13

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

CONFORME :

SUPPLIER'S SIGNATURE OVER PRINTED NAME and DATE

FILOMENA T. DAYAGBIL, Ed.D.  
OIC - SUC President III

Funds Available :

ALOBS NO. :

AMOUNT :

ROCHE E. OCAMPO  
Accountant

PREPARED BY : fcl

Version 1.00 by Edwin O. Monsanto 20120808





Republic of the Philippines  
**Cebu Normal University**  
Osmeña Boulevard, Cebu City  
Telephone Number : 254-6813

## PURCHASE ORDER

Supplier : INSTRUMIX SUPPLIER, INC.		P.O. No. : 21-06-197			
Address : 7/F COCOFED BUILDING, 144 AMORSOLO ST., LEGASPI VILLAGE, MAKATI CITY		Date : June 11, 2021			
Tel.No. : 812-5971/ 812-5972/ 817-6849		RC Code : 203 / CAS			
TIN : 000-124-893-000		Mode of Procurement Public Bidding			
GENTLEMEN : Please furnish this office the following articles subject to the terms and conditions contained herein.					
Purpose : Procurement of equipment for the upgrading of Science Laboratories: Physics, Biology & Chemistry					
Place of Delivery : Cebu Normal University		Delivery Term : 60 calendar days upon receipt of P.O.			
Date of Delivery : August 10, 2021		Payment Term : Through ADA from 5 to 7 days after complete delivery			
Acct Code	Qty	Unit	Description	Unit Cost	Total Amount
	1	unit	Shimadzu Fourier Transform Infrared Spectrophotometer > Model: IRSpirit > Origin: Japan INCLUDES THE FOLLOWING: • 1 set Complete PC System (Desktop), O/S: Microsoft Windows 10 Pro, Hard Disk Drive: 1TB, Monitor: 21.5" Led color monitor, Processor: i5, 4G RAM • 1 set Continuous Printer (EPSON) • 1 set LabSolutions IR • 1 set Diamond ATR • 1 set Library for Spectra • 1 set Basic Starter Kit WARRANTY: One (1) year on parts against manufacturing defect & three (3) years on service (PM & calibration) Specifications Interferometer: Michelson interferometer (30° incident angle) equipped with Dynamic Alignment System sealed interferometer with desiccant Optical System: Single Beam Optics Beam Splitter: Germanium-coated KBr Plate Light source: high energy ceramic light source  Detector: DLATGS detector with temperature control Wavenumber range: 7800 to 350cm-1  Wavenumber precision: ±0.0005cm-1 (@2,000cm-1) Wavenumber accuracy: ±0.1cm-1 Resolution: 0.9, 2, 4, 8, 16cm-1 Data Sampling: Semiconductor laser with temperature control	1,450,000.00	1,450,000.00
PAGE 12 OF 13 SHEETS				GROSS PAYABLE AMOUNT	1,450,000.00
				DISCOUNT, if any	-
				NET PAYABLE AMOUNT	1,450,000.00
GRAND TOTAL					
is on page 13					
In case of failure to make the full delivery within the time specified above, a penalty of one-tenth ( 1/10) of 1 percent for every day of delay shall be imposed.					
CONFORME :		FILomena T. DAYAGBIL, Ed.D. OIC -SUC President III			
Funds Available :		ALOPS NO. : AMOUNT :			
PREPARED BY : fel		ROCHE E. OCAMPO Accountant			
Version 1.00 by Edwin O. Monsanto 20120808					





Republic of the Philippines  
**Cebu Normal University**  
Osmeña Boulevard, Cebu City  
Telephone Number : 254-6813

## PURCHASE ORDER

<b>Supplier :</b> INSTRUMIX SUPPLIER, INC.		<b>P.O. No. :</b> 21-06-197			
<b>Address :</b> 7/F COCOFED BUILDING, 144 AMORSOLO ST., LEGASPI VILLAGE, MAKATI CITY		<b>Date :</b> June 11, 2021			
<b>Tel.No. :</b> 812-5971/ 812-5972/ 817-6849		<b>RC Code :</b> 203 / CAS			
<b>TIN :</b> 000-124-893-000		<b>Mode of Procurement</b> Public Bidding			
<b>GENTLEMEN :</b> Please furnish this office the following articles subject to the terms and conditions contained herein.					
<b>Purpose :</b> Procurement of equipment for the upgrading of Science Laboratories: Physics, Biology & Chemistry		<b>Delivery Term :</b> 60 calendar days upon receipt of P.O.			
<b>Place of Delivery :</b> Cebu Normal University		<b>Payment Term :</b> Through ADA from 5 to 7 days after complete delivery			
<b>Date of Delivery :</b> August 10, 2021					
<b>Acct Code</b>	<b>Qty</b>	<b>Unit</b>	<b>Description</b>	<b>Unit Cost</b>	<b>Total Amount</b>
			S/N Ratio: 30,000:1 Mirror Speed: 2.8mm/sec Data Sampling: Semiconductor laser with temperature control 6 years guaranteed Sample Compartment: equipped with automatic accessory recognition mechanism 200(W) x 140(D) x 100(H) mm center focus Required environment: operating guaranteed temperature: 10 to 35°C  Performance guaranteed temperature: 15 to 30°C Humidity: 20-70% (KBr window model) 20-90% (KRS-5 window model) with no condensation SOFTWARE  Programs: Postrun, Spectrum, Quantitation, Photometric, Time Course (option), Mapping (option)  Measurement: Spectrum measurement, continuous measurement, atmospheric correction measurement, continuous measurement using ASC, simple measurement mode Hardware monitor: Self-diagnosis function, status monitor Search Functions: Spectrum search (based on similarity), peak search, text search, combination search, setting of search conditions, search of user library and commercial library, creation of user library of approx 12,000 spectra of organic compounds, polymers, pharmaceutical products, inorganic compounds, food additives, contaminants, etc. included		
<b>GROSS PAYABLE AMOUNT.</b>					-
<b>DISCOUNT, if any</b>					-
<b>NET PAYABLE AMOUNT</b>					0.00
<b>PAGE 13 OF 13 SHEETS</b>					
<b>GRAND TOTAL</b>		<b>IN FIGURES :</b>		<b>Php9,880,000.00</b>	
		<b>IN WORDS :</b> NINE MILLION EIGHT HUNDRED EIGHTY THOUSAND PESOS ONLY			
<b>In case of failure to make the full delivery within the time specified above, a penalty of one-tenth ( 1/10) of 1 percent for every day of delay shall be imposed.</b>					
<b>CONFORME :</b>		<b>J. URBANO</b> 7/15/21		<b>PILOMENAT. DAYAGBIL, Ed.D.</b> OIC / SUC President III	
		<b>SUPPLIER'S SIGNATURE OVER PRINTED NAME and DATE</b>			
<b>Funds Available :</b>		<b>ROCHE E. OCAMPO</b> Accountant		<b>ALOBS NO. :</b> <b>AMOUNT :</b>	
<b>PREPARED BY :</b> fcl					
<b>Version 1.00 by Edwin O. Monsanto 20120808</b>					