



Republic of the Philippines
BENGUET STATE UNIVERSITY
La Trinidad, Benguet



PURCHASE ORDER

Supplier:	RAINPHIL, INC.	P.O No.:	2020-07-1CF-273
Address:	2F Lot 2 Bld. 27, Arellano Cor. Olivares Sts., Palanan, Makati City, Philippines	Date:	1111 17 2026
Tin:		Mode of Procurement:	Competitive Bidding (IB 2026-13)
		PR No.:	2026-01-IGF-47

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

Place of Delivery: **BSU-SPMO**

Date of Delivery: **WITHIN 45 CALENDAR DAYS UPON RECEIPT OF NTP.**

Item no.	Stock/Property No.	Unit	ITEM	Quantity	Unit Cost	Amount	End user
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3		unit	1. 1 UNIT FOURIER TRANSFORM-INFRARED SPECTROPHOTOMETER with the following specifications: Model: Spectrum Two Brand: PerkinElmer Main Hardware • Interferometer- Rotary Michelson Interferometer, High stability, self-compensating for dynamic alignment changes due to a tilt and shear. Kinetically mounted, zero alignment optics, with high reflectivity and a low-angle off axis design. Proprietary OpticsGuard system for extended desiccant life and additional optical extended desiccant life and additional optical component protection. Beam splitter: Proprietary extended range KBr. • Spectral Range- Wavelength range: 8,300 cm-1 to 350 cm-1 optimized, proprietary KBr beam splitter • Spectral Resolution- Must be selectable at increments: 0.5 cm-1 standard • Signal-to-Noise- 9,300:1 peak-peak, 5 seconds 21,000:1 peak-peak, 1 minute • Detector- stabilized room temperature DGTS detector, DLATGS both pyroelectric materials used as infrared detectors. • Infrared Source- Silicon-carbide – Long-life source with proprietary hot-spot stabilization. User replaceable from outside instrument. • Physical Footprint and Design- Weight: 13 kg, compact, space-saving, at most 450 mm (W) x 300 mm (D) x 210 mm (H) Sampling Unit • ATR Accessory- Universal Attenuated Total Reflection (UATR); high-throughput diamond crystal with a high-strength metal mount; must be fully integrated into the instrument's sample compartment with no external cabling required; must support the full range of the base unit (down to 350 cm-1 if using KBr optics). Library • Database inclusions- permanent, perpetual license for a minimum of 10,000 reaching 30,000+ spectra; must include subsets for polymers and additives, organics, forensics/ toxicology, pollutants and pesticides, and common natural products subset (e.g. terpenes/ steroids, alkaloids, lipids, carbohydrates) and a proprietary search algorithm capable of identifying mixture components; must allow for the creation of unlimited user-defined private libraries. • Search function- multi-component search capability (mixture analysis) and user-defined library creation tools. IT and Software • Data Processing and Control System- A single platform that incorporates all of the functions required for infrared analyses; instrument control, data manipulation and analysis, and flexible report utilities. Atmospheric vapor compensation an advance digital filtering algorithm design to subtract CO2 and H2O absorptions automatically in real time. • PC System- Complete PC System (Desktop). CPU, CORE i5, licensed Win11 PRO, 16GB (2x 8GB) DDR4, M.2 1 TB SSD + 1 TB HDD, Monitor 24" • Printer – Printer with continuous ink system Electrical • AVR and UPS- 3 KVA UPS with built-in AVR for 15 mins backup time • Dehumidifier- Industrial-grade portable dehumidifier for the lab room Service & Support • Installation- on-site delivery, unboxing, and complete hardware/ software installation by factory-trained engineers • Calibration- Full IQ/OO/QC validation with traceable calibration certificate • Training- Comprehensive of 1-day on-site training for at least 5 users covering operation, maintenance, library searching, and emergency operation, with certificate Warranty • Terms- 2 years comprehensive warranty covering all parts, labor, and travel costs Preventive Maintenance • Annually, within the warranty period	1	1,500,000.00	1,500,000.00	College of Natural Sciences
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TOTAL:						1,500,000.00	
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(Total Amount in Words) **One Million Five Hundred Pesos Only**

Conforme: **106 fcs**

Very truly yours:

Rolen Ramirez
Signature over Printed Name of Supplier
23 July 2026
Date

KENNETH ALIP LARUAN
University President

Fund Cluster: _____

Funds Available: _____

ORS/BURS No.: **106-07-009**

Date of the ORS/BURS: **23 July 2026**

Amount: **P 1,500,000.00**

IMELDA B. GALINATO
Accountant

05706441