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PR-2024-0920-224080



Republic of the Philippines
VISAYAS STATE UNIVERSITY
 Visca, Baybay City, Leyte

PURCHASE REQUEST

PPMP No.: **PPMP-2024-081324-0348**PR No.: **STF-2024-09-01710**Date: **09-20-2024**Dept./Office: **DFST**Category: **Laboratory**Section/End-User: **Pearl P. Vistal JOHN ANDRE B. LAD** **Supplies**Funding Source: **Special Trust Fund**Project Title/Code: **ISS 104 Food Testing Laboratory**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	1-octanol	btl	1	9,000.00	JUBYMAR A. MABUTO	9,000.00
Specification: CAS No.: 111-87-5, 99.0%, ACS, anhydrous, 0.827g/ml@25°C, 1.0 L/bot						
2	1-propanol, HPLC grade	btl	1	9,000.00	JUBYMAR A. MABUTO	9,000.00
Specification: CAS No.: 71-23-8, HPLC grade, GC grade, 99.9%, 2.5 L/bot						
3	Acetone, (CH ₃) ₂ CO	btl	1	3,000.00	JUBYMAR A. MABUTO	3,000.00
Specification: Analytical reagent grade, at least 99.5% , 2.5L/bottle						
4	Acetonitrile, HPLC grade, 2.5 L	btl	1	3,000.00	JUBYMAR A. MABUTO	3,000.00
Specification: CAS No.: 75-05-8, HPLC grade, 99.93%, 0.2 µm filtered, 2.5 L/bot						
5	Aluminum chloride	btl	1	3,000.00	JUBYMAR A. MABUTO	3,000.00
Specification: CAS No.: 7446-70-0, 99.99%, ACS, anhydrous, powder, 25 g/bot						
6	Amyloglucosidase (<i>Aspergillus niger</i>)	btl	1	30,000.00	JUBYMAR A. MABUTO	30,000.00
Specification: CAS No.: 9032-08-0, lyophilized powder, 30-60 units/mg protein (biuret), 90.02% glucose, 5 mg/bot						
7	Ascorbic acid	btl	1	3,100.00	JUBYMAR A. MABUTO	3,100.00
Specification: • Grade: Analytical Reagent • Form: Crystalline Powder • Quantity: 25 g per bottle						
8	Benzoic Acid	btl	1	3,000.00	JUBYMAR A. MABUTO	3,000.00

Specification: • Benzoic Acid Tablet • Pack size: 500g						
9	Boric Acid, Analytical Reagent	kgs	1	2,800.00	JUBYMAR A. MABUTO	2,800.00
10	Carbon Tetrachloride	btl	1	5,500.00	JUBYMAR A. MABUTO	5,500.00
Specification: Analytical Reagent Grade 2.5L per bottle						
11	Celite, Filter aid, Acid washed	btl	1	1,000.00	JUBYMAR A. MABUTO	1,000.00
Specification: CAS No.: 68855-54-9, reagent grade, filter aid, acid washed, treated with sodium carbonate, flux calcined, powder, 1 kg/bot						
12	Chemical respiratory mask	pc	5	1,400.00	JUBYMAR A. MABUTO	7,000.00
Specification: • Lightweight • Flexible system (gas/vapor and/or particulate filters plus supplied-air option) • Hypo-allergenic facepiece material • Easy-to-use • Well-balanced and can fit the different head crown • low maintenance • economical						
13	Chloroform 2.5L	btl	1	4,000.00	JUBYMAR A. MABUTO	4,000.00
Specification: Analytical Reagent Grade 2.5L per bottle						
14	Copper sulfate, CuSO4	btl	1	1,800.00	JUBYMAR A. MABUTO	1,800.00
Specification: ?Anhydrous, Analytical reagent grade, 500g/bottle						
15	Cyclohexane	btl	1	6,000.00	JUBYMAR A. MABUTO	6,000.00
Specification: CAS No.: 110-82-7, ACS, 99.9%, 2.5 L/bot						
16	Disodium Hydrogen Phosphate Heptahydrate, AR, 500g/btl	btl	1	3,000.00	JUBYMAR A. MABUTO	3,000.00
Specification: Analytical Reagent, 500g/btl						
17	DPPH Radical Scavenging Assay Kit	btl	1	3,000.00	JUBYMAR A. MABUTO	3,000.00
Specification: Pack Size: 1 Kit Usage: sufficient for 200 tests						

Quality level: 200 Detection Method: colorimetric						
18	Ethanol	btl	2	2,000.00	JUBYMAR A. MABUTO	4,000.00
Specification: ?Analytical Reagent Grade, Absolute, 2.5L per bottle						
19	Gallic acid	btl	1	2,000.00	JUBYMAR A. MABUTO	2,000.00
Specification: CAS No.: 149-91-7, ACS, ?98.0%, powder, 100 g/bot						
20	Glacial Acetic Acid, Analytical Standard	btl	1	2,000.00	JUBYMAR A. MABUTO	2,000.00
Specification: • Certification: Certified analytical standard • Suitability: HPLC and GC suitable • Size: 2.5 L per bottle						
21	Hexane 2.5L	btl	1	2,500.00	JUBYMAR A. MABUTO	2,500.00
Specification: Analytical Reagent Grade 2.5L per bottle						
22	Hydrochloric Acid	btl	2	600.00	JUBYMAR A. MABUTO	1,200.00
Specification: ?AR grade ?2.5 liter/btl. ?36.5-38% ?impurities <1ppm free chlorine						
23	Iodine crystals	btl	1	2,500.00	JUBYMAR A. MABUTO	2,500.00
Specification: Analytical Grade resublimed, 500g per bottle						
24	Isoamyl Alcohol Mol Grade	btl	1	3,000.00	JUBYMAR A. MABUTO	3,000.00
Specification: • Grade: Molecular/Laboratory Grade • Volume: 500 mL						
25	Lead acetate trihydrate	btl	1	5,500.00	JUBYMAR A. MABUTO	5,500.00
Specification: CAS No.: 6080-56-4, ACS, ?99.0%, crystal, 500 g/bot						
26	MES monohydrate	btl	1	4,000.00	JUBYMAR A. MABUTO	4,000.00
Specification:						

CAS No.: 145224-94-8, biological buffer, ? 99.0 %, white crystalline powder, 100 g/bot						
27	Methanol 2.5L	btl	2	1,500.00	JUBYMAR A. MABUTO	3,000.00
Specification: • Volume: 2.5L per bottle • Grade: Analytical Reagent Grade						
28	Methanol or Methyl alcohol	btl	1	1,950.00	JUBYMAR A. MABUTO	1,950.00
Specification: • HPLC Grade • 2.5L per bottle						
29	Nitric acid, HNO ₃	btls	1	3,600.00	JUBYMAR A. MABUTO	3,600.00
Specification: • Concentration: Concentrated • Grade: Analytical reagent grade • Volume: 2.5 liters per bottle						
30	Perchloric acid	btl	1	5,400.00	JUBYMAR A. MABUTO	5,400.00
Specification: CAS No.: 7601-90-3, ACS, 70.0%, 1.66-1.68g/mL @20°C, 2.5 L/bot						
31	Petroleum Ether	btls	5	2,880.00	JUBYMAR A. MABUTO	14,400.00
Specification: Specifications: CAS No.: 8032-32-4, ACS, Colorless, BP: 35-60°C, 1.0 L/bot						
32	potassium acid phthalate (KHP)	btl	1	500.00	JUBYMAR A. MABUTO	500.00
Specification: Primary standard acid, ACS Grade, CAS No. 877-24-7 C ₈ H ₅ O ₄ K, FW = 204.23 Assay = ?99.95 but ?100.05%. Volume- 500g						
33	Potassium dichromate, AR Grade	btl	1	2,500.00	JUBYMAR A. MABUTO	2,500.00
Specification: ?500 grams/poly bottle						
34	Potassium iodide, KI	btl	1	7,000.00	JUBYMAR A. MABUTO	7,000.00
Specification: ?Analytical reagent grade, powder, 500g/bottle						
35	Potassium oxalate monohydrate	btl	1	7,000.00	JUBYMAR A. MABUTO	7,000.00
Specification: CAS No.: 6487-48-5, ?99.0 %, ACS, crystals or chunks, 500 g/bot						
36	Potassium sulfate, K ₂ SO ₄	btls	1	1,600.00	JUBYMAR A. MABUTO	1,600.00
Specification:						

- **Grade:** Analytical reagent grade
- **Quantity:** 500 g per bottle

37	Protease (Bacillus licheniformis)	btl	1	30,000.00	JUBYMAR A. MABUTO	30,000.00
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Specification:

CAS No.: 9014-01-1, lyophilized powder, for use in Total Dietary Fiber Assay (TDF-100A), 500 mg/bot

38	Quercetin	btl	1	5,300.00	JUBYMAR A. MABUTO	5,300.00
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Specification:

CAS No.: 117-39-5, 98.0 %, High purity grade, 5 g/btl

39	Rochelle Salt (Potassium Sodium Tartrate), 500 grams	btl	1	3,000.00	JUBYMAR A. MABUTO	3,000.00
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Specification:**Properties**

Packaging:	500 grmas/ bottle
Grade:	AR
Melting point:	70-80 °C
alpha	22.1 ° (c=10, water)
Boiling point:	220°C
Density	1.05 g/mL at 20 °C
refractive index	22 ° (C=10, H2O)
storage temp.	Store at +5°C to +30°C.
solubility	H2O: 1 M at 20 °C, clear, colorless
form	Solid
color	White semi-transparent
PH Range	6.0 - 8.5
Odor	Odorless
PH	7.0-8.5 (25?, 50mg/mL in H2O)
optical activity	[?]20/D +28.0 to +30.0°
Water Solubility	630 g/L (20 °C)
?max	? : 260 nm Amax: 0.026 ? : 280 nm Amax: 0.022

40	Sodium Hydroxide, Technical Grade, Flakes 25kgs/bag	bags	5	2,750.00	JUBYMAR A. MABUTO	13,750.00
41	Sodium phosphate dibasic, Na2HPO4	btl	1	1,450.00	JUBYMAR A. MABUTO	1,450.00

Specification:

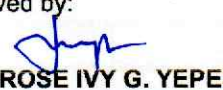
- **Grade:** Analytical
- **Use:** For enzyme buffers and chemical assays
- **Bottle Size:** At least 500 g

42	Sodium Thiosulfate, Na2S2O3	btl	1	2,000.00	JUBYMAR A. MABUTO	2,000.00
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Specification:

Analytical grade, 100g/bottle

43	Sucrose	btl	1	1,500.00	JUBYMAR A. MABUTO	1,500.00
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Specification:						
Analytical Reagent Grade 500g per bottle						
44	Sulfuric Acid	btl	2	2,500.00	JUBYMAR A. MABUTO	5,000.00
Specification:						
- Grade: Analytical Grade (98%) - Volume: 2.5 Liters - Specific Gravity: 1.84						
45	TRIS Base	btl	1	2,000.00	JUBYMAR A. MABUTO	2,000.00
Specification:						
Tris(hydroxymethyl)aminomethane						
CAS No.: 77-86-1, Ultra pure, Molecular biology grade, biological buffer, 99.8%, white crystalline powder, 100 g/bot						
46	Trolox	btl	1	5,000.00	JUBYMAR A. MABUTO	5,000.00
Specification:						
CAS No.: 53188-07-1, 99.8%, powder, 25 g/bot						
47	?-Amylase (Bacillus licheniformis)	btl	1	30,000.00	JUBYMAR A. MABUTO	30,000.00
Specification:						
CAS No.: 9000-85-5, assay: 93-100%, lyophilized powder, 500-1,500 units/mg protein, 100 mg/bot						
TOTAL						269,850.00
Purpose: For laboratory use						
Checked by:				Funds Available:		
 GENESIS C. ALBARICO				 ALICIA M. FLORES		
TWG - Laboratory Supplies				HEAD, BUDGET OFFICE		
Signature:	Prepared by:	Noted by:			Approved by:	
Printed Name:	 PEARL P. VISTAL	 JUBYMAR A. MABUTO			 PROSE IVY G. YEPES	
Designation:	END-USER	UNIT HEAD, PROJECT LEADER			PRESIDENT, VSU	