



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

PURCHASE REQUEST

PPMP No. : 15-1-8-2024-0-0-7

PR No.: STF-2024-02-00523

Date: 02-15-2024

Dept./Office: DOPAC

Category: **Laboratory
Supplies**

Section/End-User: Jane M. Abapo

Funding Source: **Special Trust Fund**Project Title/Code: **Laboratory Supplies 2024**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	2,4-dinitrophenylhydrazine	btl	1	12,000.00		12,000.00
Specification:						
Melting point: 197-200 °C (lit.)						
Boiling point: 335.43°C (rough estimate)						
Density 0.843 g/mL at 20 °C						
refractive index n _{20/D} 1.374						
Flash point: 14 °C						
storage temp. 2-8°C						
solubility 50% sulfuric acid: 10 mg/mL, clear, colorless						
form crystals						
pka 12.1(at 25?)						
color Red						
PH Range Yellow (11.0) to brown (12.5)						
Water Solubility slightly soluble						
Stability: Stable when wet, but explosive when dry. May be shock sensitive when dry. Highly flammable. Incompatible with strong oxidizing agents.						
Major Application Fuel cells, detecting microorganisms, antibacterial agent, treatment of acute and chronic hepatitis, gynecopathy, cardiovascular diseases, cerebrovascular diseases						
Packaging: 100grams/1 bottle						
2	Hexane 2.5L	btl	2	2,500.00		5,000.00

Specification:

Analytical Reagent Grade 2.5L per bottle

3	L-Alanine	btl	1	4,800.00		4,800.00
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Specification:**Specification****Packaging:** 25 grams/ bottle**Melting point:** 314.5 °C**alpha** 14.5 ° (c=10,6N HCl,dry sub.)**Boiling point:** 212.9±23.0 °C(Predicted)**Density** 1,432 g/cm3**refractive index** 1.4650 (estimate)**FEMA** [3818 | DL-ALANINE](#)**storage temp.** 2-8°C**solubility** H2O: 100 mg/mL**form** powder**pka** 2.34(at 25?)**color** White to almost white**PH** 5.5-6.5 (100g/l, H2O, 20?)**Odor** odorless**Odor Type** odorless**optical activity** [?]20/D +14.0±1°, c = 5% in 5 M HCl**Water Solubility** 166.5 g/L (25 °C)**?max** ? : 260 nm Amax: ?0.03

? : 280 nm Amax: ?0.02

Stability: Stable. Incompatible with strong oxidizing agents.

PAckaging : 25grams/ bottle

4	Lead Acetate	btl	1	16,000.00		16,000.00
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Specification:

Specifications:

Melting point: 75 °C (dec.)(lit.)

Boiling point: decomposes at >280? [KIR78]
Density 3.3 g/cm³
vapor pressure 15.7hPa at 25?
storage temp. 2-8°C
solubility DMSO (Slightly), Methanol (Slightly)
form powder
color Clear colorless
Water Solubility g/100g H₂O: 19.7 (0°C), 55.2 (25°C); equilibrium solid phase, Pb(CH₃COO)₂ · 3H₂O [KRU93]; g/100mL H₂O: 44.3 (20°C), 221 (50°C) [KIR78]
?max 260nm(H₂O)(lit.)
Solubility Product Constant (K_{sp}) pK_{sp}: 2.75
 Packaging: 5g/1 bottle

5	Linoleic Acid	btl	1	5,000.00		5,000.00
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Specification:

Specification

Packaging: 5mL/ bottle
Grade: analytical grade
Melting point: -5 °C (lit.)
Boiling point: 229-230 °C/16 mmHg (lit.)
Density 0.902 g/mL at 25 °C (lit.)
refractive index n_{20/D} 1.466(lit.)
FEMA [3380 | 9,12-OCTADECADIENOIC ACID \(48%\) AND 9,12,15-OCTADECATRIENOIC ACID \(52%\)](#)
Flash point: >230 °F
storage temp. Store below +30°C.
solubility NaOH: soluble1M
pka 4.77(at 25?)
form liquid
color Clear yellow
Odor faint fatty
Water Solubility INSOLUBLE

FreezingPoint -5?

Sensitive Air Sensitive

?max 270nm(H₂O)(lit.)

Dielectric constant 2.6?0??

Stability: Stable, but air and light sensitive. Combustible. Incompatible with strong oxidizing agents.

Analytical Standard

6	Oleic Acid	btl	1	3,500.00		3,500.00
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Specification:

Specification

Packing: 25mL/ 1 bottle

Grade: Analytical Grade

Melting point : 13-14 °C(lit.)

Boiling point : 360 °C

Density : 0.89 g/mL at 25 °C(lit.)

vapor density : 1.03 (vs air)

vapor pressure : 52 mm Hg (37 °C)

refractive index : n₂₀/D 1.377

FEMA : [2815 | OLEIC ACID](#)

Flash point : 133 °F

storage temp. : -20°C

solubility : Miscible with ethanol, ether, acetone, chloroform, dimethyl formamide and dimethyl sulfoxide.

form : Liquid

pka : pKa 5.35(H₂O,t =25) (Uncertain)

Specific Gravity : 0.892 (20/4?)

color : Colorless to pale yellow

Odor : Peculiar Lard-Like

Odor Type : fatty

Water Solubility : negligible

Sensitive : Air Sensitive

Hydrophilic-Lipophilic Balance (HLB) : 1

Dielectric constant : 2.5?20??

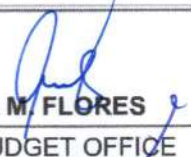
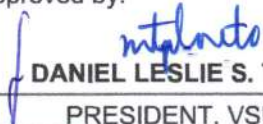
Stability : Stable. Combustible. Incompatible with strong oxidizing agents, aluminium.

Technical grade, 90%

TOTAL

46,300.00

Purpose: Laboratory Use

Checked by:  ELIZABETH S. QUEVEDO		Funds Available:  ALICIA M. FLORES	
TWG - Laboratory Supplies		HEAD, BUDGET OFFICE	
Signature: Printed Name: Designation:	Prepared by:  JANE M. ABAPO	Noted by:  ELIZABETH S. QUEVEDO	Approved by:  DANIEL LESLIE S. TAN
		UNIT HEAD, PROJECT LEADER	PRESIDENT, VSU