



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

PURCHASE REQUEST

PPMP No. : **PPMP-2025-092424-0076**

PR No.: **STF-2024-10-02469**

Date: **10-08-2024**

Dept./Office: **DOPAC**

Category: **Laboratory
Supplies**

Section/End-User: **Jane M. Abapo**

Funding Source: **Special Trust Fund**

Project Title/Code: **DoPAC Laboratory Supplies 2025**

Item #	Item Description	Unit	Qty	Unit Cost	PAR/ICS	Total Cost
1	1413 µs Conductivity Calibration solution standard	btls	1	6,500.00		6,500.00
Specification: 1413 µs Conductivity Calibration solution standard -pint size bottles with pre-made 1413µs conductivity calibration solution that is compatible for Exttech conductivity meters.						
2	84 µs Conductivity Calibration solution standard	btl	1	6,500.00		6,500.00
Specification: 84 µs Conductivity Calibration solution standard -pint size bottles with pre-made 84 µs Conductivity Calibration solution compatible for extech conductivity meters.						
3	Acetonitrile, HPLC grade, 2.5 L	btl	1	3,000.00		3,000.00
Specification: <ul style="list-style-type: none"> • CAS No.: 75-05-8 • Purity: 99.93% • Grade: HPLC grade • Filtration: 0.2 µm filtered • Volume: 2.5 L/bottle 						
4	Antacid, 500milligrams	tablet	40	25.00		1,000.00
Specification: For Chem 140 Laboratory Experiment						
5	Aspartame, 25pcs per box	box	5	50.00		250.00
Specification: Use for biochemistry laboratory experiment						
6	Aspirin, 1 mg	tablet	30	3.00		90.00
Specification:						

Aspiring 1mg per tablet use for Chemistry Laboratory experiments						
7	Benzene, 2.5 L	btl	2	7,520.00		15,040.00
8	Black Tea Bags	per 100 pcs.	2	1,500.00		3,000.00
Specification: Black Tea Bags can be use for extraction of caffeine from tea. packaging: 100pcs tea bags						
9	Buffer Solution pH 4, 500 mL	btl	2	2,500.00		5,000.00
10	Buffer solution, pH 7, 1000 ml.	btl	2	1,500.00		3,000.00
11	Carbon Tetrachloride	btl	3	5,500.00		16,500.00
Specification: <ul style="list-style-type: none"> • Grade: Analytical Reagent Grade • Volume: 2.5 L/bottle 						
12	Chloroform 2.5L	btl	2	4,000.00		8,000.00
Specification: Analytical Reagent Grade 2.5L per bottle						
13	Chromatography Paper	roll	1	20,000.00		20,000.00
Specification: <ul style="list-style-type: none"> • Product Description: cellulose chromatography papers • Purity: 3MM CHR, W × L 23 cm × 100 m, • Packaging of 1 roll 						
14	Condom or Rubber Sheath	pcs	20	110.00		2,200.00
Specification: material: Latex rubber						
15	Crucible with cover	pc	20	150.00		3,000.00
Specification: Porcelain Crucible with Lid (High Form) <ul style="list-style-type: none"> • Material: Porcelain • Capacity: 30 mL • Height: 43 mm • Base Diameter: 24 mm • Top Diameter: 33 mm 						
16	Cyclohexene	btl	1	3,500.00		3,500.00
Specification:						

Analytical Reagent Grade 2.5L per bottle					
17	Delicate task wipers	boxes	5	1,000.00	5,000.00
Specification: <ul style="list-style-type: none"> • 280sheets/box • 4.4 x 8.4" Kimwipes 1-Ply • for wiping surfaces, parts, instruments, and lenses 					
18	Dichloromethane	btls	3	2,000.00	6,000.00
Specification: Analytical reagent grade, 2.5L/bottle					
19	Ethanol	btls	3	4,000.00	12,000.00
Specification: ?AR, at least 95%v/v, 4L					
20	Filter Paper Ordinary	pcs	2	5,000.00	10,000.00
Specification: <ul style="list-style-type: none"> • Type: Ordinary • Size: 30 x 40 in. • Quantity: 100 sheets per pack 					
21	Gloves, Nitrile, Large	box of 50's	2	1,500.00	3,000.00
Specification: <ul style="list-style-type: none"> • Type: Chemical Resistant Disposable Gloves • Material: Nitrile • Powder-Free • Packaging: 1 box of 100 or 50 pairs • Food Safe • Size: Large 					
22	Gloves, Nitrile, Medium	box of 50's	2	1,500.00	3,000.00
Specification: <ul style="list-style-type: none"> • Type: Chemical Resistant Disposable Gloves • Material: Nitrile • Powder-Free • Packaging: 1 box of 100 or 50 pairs • Food Safe • Size: Medium 					
23	Gulaman , unflavored gelatin, 25g, 5 packs per box	box	3	500.00	1,500.00
Specification: Gulaman, unflavored gelatin,					

25g per pack

Packaging: 5 packs per box

Brand: KNOX (much preferable brand since this will be use for the laboratory experiment).

24	Hexane 2.5L	btl	2	3,000.00	6,000.00
Specification: Analytical Reagent Grade 2.5L per bottle					
25	Laboratory film	roll	3	2,000.00	6,000.00
Specification: 74 in. x 125 feet/roll, flexible, self-sealing, odorless, moisture-resistant, thermoplastic semi-transparent and practically colorless					
26	Litmus Paper (Blue)	Vial	5	600.00	3,000.00
Specification: <ul style="list-style-type: none"> Blue Litmus Test Paper Blue Litmus test paper is a foolproof pH test to determine if something is acidic. The Blue Litmus test paper does not come with a color chart as it cannot provide you with a defined pH value. The test strip will turn red if dipped into an acidic solution (pH <7). It will remain unchanged in an alkaline solution. Although there is no color chart, the strip will turn various shades of red, getting darker the more acidic the solution. We have tested the blue litmus with multiple pH buffers. The blue paper is blue at pH 8. At pH 7, the sample is maybe just a little red. The real change to red seems to start with pH 6.5 and lower. Strip Quantity: 100 strips Other: Additional sheet sizes available upon request Vial Dimensions: .75" (D) x 2.75" (H) [19mm (D) x 70mm (H)] Strip Dimensions: 1.875" (L) x .25" (W) [48mm (L) x 6mm (W)] Box Dimensions: 10" x 10" x 2.75" [29.8 cm x 19 cm x 7 cm] (144-pack box), 21" x 14.75" x 3" [53.3 cm x 37.5 cm x 7.6 cm] (500-pack box), 3.25" x 2.375" x 3" [8.3 cm x 6 cm x 7.6cm] (12-pack box), 5" x 3.5" x 3" [12.7 cm x 8.9 cm x 7.6 cm] (25-pack box) Weight: 0.02 lbs [9 g] (single vial) Other: Stored in a pocket-sized, lightweight vial. Shelf-Life: 3 Years Minimum 					
27	LPG Gas Refill	tanks	3	1,300.00	3,900.00
Specification: contents only, 11 kgs.					
28	Microcapillary tube	btl	5	300.00	1,500.00
Specification: diagnostic purposes : blue capillary tube heparinized, 1 barrel/tube/ contains 100 tubes					
29	Microscope Slide Box	pcs	4	300.00	1,200.00
Specification: <ul style="list-style-type: none"> capacity: holds up to 25 microscope slides dimension: 9.4cm*8.2cm*3.2cm weight: 56g 					

					<ul style="list-style-type: none"> material: plastic color: white 	
30	N-octanol	btl	1	2,500.00		2,500.00
	Specification: ?Technical grade ?Purity: 99% ?5 liters					
31	Nitric acid, HNO ₃	btls	3	3,600.00		10,800.00
	Specification: <ul style="list-style-type: none"> Concentration: Concentrated Grade: Analytical reagent grade Volume: 2.5 liters per bottle 					
32	Non-fat Milk, 1L per bottle	btl	5	100.00		500.00
	Specification: Non-fat Milk 1L for biochemistry laboratory					
33	Pasture Pipette	pieces	120	5.00		600.00
	Specification: ?Pasture pipette, durable glass, 2 ml capacity, straight tip					
34	Petroleum Ether, AR	gallon	2	5,000.00		10,000.00
35	pH 10 Buffer	btl	2	2,000.00		4,000.00
	Specification: <ul style="list-style-type: none"> Laboratory grade Size: 1L per bottle 					
36	pH-indicator paper pH 1 - 14 Universal indicator	pack	4	500.00		2,000.00
	Specification: General description Booklet size: 4.5 CM x 6.5 CM, with colour scale, pH 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 - 12 - 14 pH indicator papers Booklet size: 4.5 CM x 6.5 CM are perfectly suited for longterm storage, since they are protected against external influences, such as moisture, light, and ambient gases. These pH indicator papers are manufactured by impregnating high-quality filter paper with indicator or mixed-indicator solutions. The paper is always ready to use; it is easily pulled out of the plastic reel and can be torn off in the necessary length. The pH value is measured semi-quantitatively by visual comparison of the color formed on the paper with the fields of the color scale.					
	PROPERTIES Quality Level <u>100</u>					

feature	non-bleeding: no				
graduations and accuracy measuring range		accuracy: 1 pH unit			
roll L	4.8 m , with color scale				
pH range	1-14				
detection method	colorimetric				
storage temp.	15-25°C				

37	Potassium Chloride, AR, 1000g	btl	1	4,500.00	4,500.00
38	Red Litmus Test Paper	Vial	5	600.00	3,000.00

Specification:

- Red Litmus test paper is a foolproof pH test to determine if something is a base. The Red Litmus test paper does not come with a color chart as it cannot provide you with a defined pH value. The test strip will turn blue if dipped into an alkaline solution (pH >7).
- Strip Quantity: 100 strips
- Vial Dimensions: .75" (D) x 2.75" (H) [19mm (D) x 70mm (H)]
- Strip Dimensions: 1.875" (L) x .25" (W) [48mm (L) x 6mm (W)]
- Box Dimensions: 10" x 10" x 2.75" [29.8 cm x 19 cm x 7 cm] (144-pack box), 21" x 14.75" x 3" [53.3 cm x 37.5 cm x 7.6 cm] (500-pack box), 3.25" x 2.375" x 3" [8.3 cm x 6 cm x 7.6cm] (12-pack box), 5" x 3.5" x 3" [12.7 cm x 8.9 cm x 7.6 cm] (25-pack box)
- Weight: 0.02 lbs [9 g] (single vial)
- Other: Stored in a pocket-sized, lightweight vial.
- Shelf-Life: 3 Years Minimum

39	Rubber Tubing Latex	ft	1	4,000.00	4,000.00
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Specification:

rubber tubing latex 10mm outside diameter, PK-50F, 100feet/roll

40	Shower and eyewash	pcs	4	70,000.00	280,000.00
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Specification:

- Stainless Steel Shower & Eyewash Station.
- Unit comes complete with ABS bowl (250 mm diameter) and ABS shower head (250 mm diameter), chemical resistant PP eye wash nozzle aerated to produce a soft, bubbly, gentle spray with auto-open dust cap, built-in stainless filter & stay-open ball valves, shower head comes with stay-open ball valve and pull rod (pull down to open, push up to close). Unit conforms to ISO 9001:2000 standard. Rate of flow is 20 gallons per minute (gpm) at 30 psi (0.3 MPa) at the shower and is reduced to a flow rate of 1.5 to 2.2 liters per minute (lpm) at the eyewash. The applicable water pressure of the unit is at a minimum of 29.0 psi and a maximum of 87.0 psi (0.2 MPa min-0.6 MPa max).

41	Sodium Chloride, molbio grade, 500g/bot	500ml/bot	2	1,500.00	3,000.00
42	Sulfur Powder, Analytical Grade, 500g/btl	btl	1	1,000.00	1,000.00

Specification:

?AR grade, 500g per bottle

43	TLC Plate, Silica Gel 60 F254	Box of 25's	1	20,000.00	20,000.00
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Specification:

DESCRIPTION

General description

25 Glass plates 20 x 20 cm

Analysis Note

Specific surface area (according to BET; 5-Pt.measurement): 480 - 540 m²/g

Pore volume(N₂-isotherm): 0.74 - 0.84 ml/g

d 50 (laserdiffraction, size distribution): 9.7 - 11.7 µm

Layerthickness: 210 - 270 µm

Deviationof layer thickness per plate: ? 35 µm

Chromatographic testing:

A) colourtest

hRf-values

- bleu viforganol, colour test, lipophile: 11 - 25

- CeresBlack G, colour test, lipophile: 34 - 48

- ceresViolet brn, colour test, lipophile: 52 - 67

separationnumber (colour test, lipophile): ? 10.5

B)Steroid test

hRf-values

- Hydrocortisone, steroid test: 25 - 37

- Reichstein S, steroid test: 37 - 49

- Methyltestosterone, steroid test: 42 - 54

Typical value determined on a conditioned plate

Eluent A) Toluene (45% rel. humidity)

Eluent B) Ethyl acetate/Toluene (95+5 v/v; 20% rel. humidity)PROPERTIES

material

glass support

silica gel 60 matrix

Quality Level

100

feature

binder Organic Polymer

fluorescent indicator

packaging

pkg of 25 plates

technique(s)

thin layer chromatography (TLC): suitable

layer thickness

250 ?m

plate L x W

20 cm x 20 cm

particle size

10-12 ?m

pore size

60 Å medium pore diameter

storage temp.

2-30°C

44	Vitamin C (100milligrams)	btl	1	300.00	300.00
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Specification:

Vitamin C

100 grams per tablet

100 tablet per bottle

to be use in biochemistry laboratory experiment

TOTAL**504,880.00**

Purpose: For Laboratory Experiment.

Checked by:

GENESIS C. ALBARICO

TWG - Laboratory Supplies

Funds Available:

ALICIA M. FLORES

HEAD, BUDGET OFFICE

Signature:	Prepared by:	Noted by:	Approved by:
Printed Name:	JANE M. ABAPO	MARK RYAN R. TRIPOLE	PROSE IVY G. YEPES
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