

PHILIPPINE SCIENCE HIGH SCHOOL - CALABARZON REGION CAMPUS

DOCUMENT TRACKING FORM

DIVISION	
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REFERENCE NO.: CID-2023-381
 DATE: 21 JUN 2023

FROM/TO	PARTICULARS	ACTION/S TAKEN	SIGNATURE	DATE (mm/dd/yy)
EVI	TOR/PR/APP/PNP - Procurement of Laboratory Chemicals & Reagents for Biology, Chemistry, and Research	Forwarded to EEE for signature	for 	1 JUN 2023
EEE	-do-	signed & forwarded to AEA signature		June 21, 2023
AEA	-do-	signature		06/21/2023
JMP	-do-			6/22/23
JMA	-do-	signed & fwd to E		6/22/2023
EEE	-do- + RFR	prep-ed's forwarded to LPR for scanning		06 29 2023

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PHILIPPINE SCIENCE HIGH SCHOOL SYSTEM

REQUEST FOR QUOTATION FORM & NOTICE
(GOODS)

Office/ Campus	PHILIPPINE SCIENCE HIGH SCHOOL CALABARZON REGION CAMPUS
Address/ Contact Details	Barangay Sampaga West, Batangas City

SIR / MADAM,

Quotation No.
Date:2023-06-117
June 29, 2023

May we request for quotation of materials enumerated hereunder. If you are interested and in a position to furnish the same, we shall be glad to note your best prices.

Delivery within 60 calendar days upon receipt of approved Purchase Order (PO)

In case of failure to make the full delivery/completion within the time specified or after it is required, the Supplier/Contractor shall be liable for the delayed delivery/shortage of value amount 1/100 of one percent (1%) of the Contract Price per calendar day of delay minus the value of the undelivered/shortage of materials, the approved PO/Contract.

Item #	QTY	UNIT	ITEM/DESCRIPTION	UNIT COST	TOTAL COST
PRICES MUST BE Tax (VAT) INCLUSIVE					
Supply and Delivery					
1	1	BOTTLE	2-Hydroxy-2-methylpropanoic anhydride, AR, at least 100 g		
2	1	BOTTLE	2,4-Dinitrophenol, AR, at least 100 g		
3	1	BOTTLE	4-methylmorpholine, AR, at least 50 g		
4	2	BOTTLES	Acetic anhydride, AR, at least 100 ml		
5	1	BOTTLE	Acetic, concentrated, AR, at least 200 ml		
6	1	BOTTLE	Aluminum oxide, AR, at least 500 g		
7	1	BOTTLE	Ammonium hydroxide, AR, concd soln, at least 2.5 L		
8	1	BOTTLE	Ammonium persulfate, AR, at least 500 g		
9	1	BOTTLE	Ammonium sulfate, AR, at least 500 g		
10	1	BOTTLE	Anhydrous sodium carbonate, AR, at least 1 Kg		
11	1	BOTTLE	Barium chloride, AR, at least 100 g		
12	1	BOTTLE	Benzothiazole, AR, at least 500 ml		
13	1	BOTTLE	Benzamide, AR, at least 500 g		
14	1	BOTTLE	Boric acid, AR, at least 500 g		
15	1	BOTTLE	Bromine, AR, at least 25 g		
16	1	BOTTLE	Calcium carbonate, AR, at least 500 g		
17	1	BOTTLE	Calcium hypochlorite, AR, at least 500 g		
18	1	BOTTLE	Copper sulfate pentahydrate, AR, at least 500 g		
19	1	BOTTLE	Cyanocyanide, AR, at least 100 ml		
20	2	BOTTLES	Diallyl ether, AR, at least 1 L		
21	1	BOTTLE	Dioctylammonium hydrogenphosphate (C ₁₆ H ₃₄ N ₂ O ₈), AR, at least 500 g		
22	2	GALLONS	Ethanol, T.G. 100		
23	6	BOTTLES	Ethyl alcohol absolute, AR, at least 2.5 L		
24	1	BOTTLE	Ferrous chloride, at least 500 g		
25	1	BOTTLE	Gelsin, AR, at least 500 g		
TOTAL					

Delivery Term: WITHIN 60 CALENDAR DAYS AFTER THE RECEIPT OF PURCHASE ORDER

Delivery Time: -

Payment Term: WITHIN 15-30 CALENDAR DAYS AFTER THE COMPLETE DELIVERY OF PROCURED GOODS AND/OR SERVICES

Very truly yours,

PRICES IN THE ABOVE OFFER ARE
CERTIFIED TRUE AND CORRECT.


BUYER
PURCHASER

Authorized Company
Representative

Telephone: 043-779-8329 local 803

(Signature Over Printed Name)

IMPORTANT

1. Quotations must be accompanied by bank remittance
2. If offering a substitute/equivalent, specify the brand and make.

Company Name
AddressTelephone nos.
T.L.N.

Office Campus: PHILIPPINE SCIENCE HIGH SCHOOL CALABARZON REGION CAMPUS

Address Contact Details: Basingay Sampaga West, Basingay City

Quotation No.

2022-09-131

Date

June 29, 2022

SIR / MADAM:

May we request for quotation in minimum enumerated quantities, if you are interested and find position to fulfill the same, we shall be glad to have your best prices.

Delivery within **60** calendar days upon receipt of approved Purchase Order (PO).

In case of failure to make the full delivery/completion within the time specified as offered/required, the supplier/contractor shall be liable for immediate damages/penalty of one tenth (1/10) of the purchase price (1% of the Contract Price per calendar day of delay minus the amount of the delivery/completed portion(s) of the approved P.O./Contract.

Item #	QTY	UNIT	ITEM/DESCRIPTION	UNIT COST	TOTAL COST
PRICES MUST BE Tax (VAT) INCLUSIVE					
Supply and Delivery					
26	1	BOTTLE	Glucose AR, at least 500 g.		
27	1	BOTTLE	Glucose AR, 2 L.		
28	1	BOTTLE	Hex-Fene AR, at least 1L.		
29	1	BOTTLE	Hexane AR, at least 2.5 L.		
30	2	BOTTLES	Hydrochloric acid concentrated, AR, at least 2 L.		
31	2	BOTTLES	Isopropyl alcohol, AR, at least 1L.		
32	1	BOTTLE	Lactophenol Cotton Blue solution, AR, at least 100 ml.		
33	1	BOTTLE	Magnesium hydroxide, AR, at least 500 g.		
34	1	BOTTLE	Manganous sulfate heptahydrate, AR, at least 500 g.		
35	2	BOTTLES	Methanol 70 and Lab Grade, 1 L.		
36	1	BOTTLE	Methylene Blue solution, AR, at least 100 ml.		
37	1	BOTTLE	Nalidixic acid powder, AR, at least 100 g.		
38	1	BOTTLE	Paracetamol powder (Meth. Concentrate) at least 100 g.		
39	1	BOTTLE	Paracetamol Tablets, AR, at least 20 mg.		
40	1	BOTTLE	Paracetamol Chew, AR, at least 1 L.		
41	1	BOTTLE	pH buffer 10, AR, at least 1 L.		
42	1	BOTTLE	pH buffer 4, AR, at least 1 L.		
43	1	BOTTLE	pH buffer 7, AR, at least 1 L.		
44	1	BOTTLE	Phosphoric Acid, 85%, at least 1 L.		
45	1	BOTTLE	Potassium hydrogen phosphate (KHP), AR, at least 500g.		
46	1	BOTTLE	Potassium permanganate, AR, at least 100 g.		
47	1	BOTTLE	Silver iodide, AR, at least 500 g.		
48	2	BOTTLES	Silver oxide, AR, at least 100 g.		
49	1	BOTTLE	Silver nitrate, AR, at least 100 g.		
50	1	BOTTLE	Sodium acetate, AR, at least 500 g.		
TOTAL:					

Delivery Term: WITHIN 90 CALENDAR DAYS AFTER THE RECEIPT OF PURCHASE ORDER

Delivery Time:

Payment Term: WITHIN 15 TO CALENDAR DAYS AFTER THE COMPLETE DELIVERY OF PROCURED GOODS AND/OR SERVICES

Very truly yours,

PRICES IN THE ABOVE OFFER AND
CERTIFIED TRUE AND CORRECT.

PURCHASER
Authorized Company
Representative:

Telephone: 043-779-8320 local 803

(Signature, Date, Printed Name)

IMPORTANT

- Prices must be representative of all classes.
- If offering a substitute/alternative, specify the brand and make.

Company Name:

Address:

Telephone Nos.:

LLN:

Office/Campus:	PHILIPPINE SCIENCE HIGH SCHOOLS - CALABARZON REGION CAMPUS
Address/Contact Details:	Barangay Sampaga West, Batangas City

 Quotation No.:
 000-000-000

 2023-06-107
 June 29, 2023

SIR / MADAM:

We request for quotation on materials/instrumental requirements. If you are interested and wish to proceed to furnish the same, we shall be glad to have your best prices.

Delivery within 60 calendar days upon receipt of approved Purchase Order (PO).

In case of failure to make the full delivery/completion within the time specified as offering/required, the Supplier/Contractor shall be liable for liquidated damages/penalty of one (1) % of the contract value per calendar day of delay minus the value of the delivery/completed portions) of the approved P.O./Contract.

Item #	QTY	UNIT	ITEM/DESCRIPTION	UNIT COST	TOTAL COST
PRICES MUST BE Tax (VAT) INCLUSIVE					
Supply and Delivery					
51	1	BOTTLE	Sodium azide, AR, at least 100 g		
52	4	BOTTLES	Sodium benzoate, AR, at least 500 g		
53	1	BOTTLE	Sodium bisulfate, AR, at least 500 g		
54	1	BOTTLE	Sodium borohydride, AR, at least 500 g		
55	1	BOTTLE	Sodium hydroxide, AR, at least 500 g		
56	1	BOTTLE	Sodium hydroxide pellets, AR, at least 500 g		
57	2	BOTTLES	Sodium iodide, AR, at least 250 g		
58	2	BOTTLES	Sodium periodate, AR, at least 50 g		
59	2	BOTTLES	Starch, AR, at least 500 g		
60	2	BOTTLES	Sulfur powder, AR, at least 500 g		
61	2	BOTTLES	Sulfuric acid, concentrated, AR, at least 1.5 l		
62	1	BOTTLE	Type III solution, AR, at least 100 ml		
63	1	BOTTLE	Universal pH indicator, AR, at least 100 ml		
64	1	BOTTLE	Zinc chloride, AR, at least 500 g		
65	1	BOTTLE	Zinc metal, AR, at least 500 g		
66	1	BOTTLE	Zinc sulfate AA, at least 500 g		
67	5	ROLLS	Regmafix Sodium AA		
68	5	BOTTLES	Schiff's Reagent, AR, at least 100 ml		
69	2	BOTTLES	Diethyl reagent at least 100 ml		
70	1	BOTTLE	Urea, AR, at least 10 g		
71	1	SET	Am-4, Am-11, & Am-11 ion exchange (at least 10 ml each buffer)		
72	2	BOTTLES	Sodium bisulfite, dry grade or higher, at least 500 g		
73	2	PACKS	perchloric acid		
74	1	BOTTLE	Potassium iodide, AR 500 g		
TOTAL					

Delivery Term: WITHIN 60 CALENDAR DAYS AFTER THE RECEIPT OF PURCHASE ORDER

Delivery Time:

Payment Term: WITHIN 15-45 CALENDAR DAYS AFTER THE COMPLETE DELIVERY OF PROPOSED GOODS AND/OR SERVICES

Very truly yours,



 RISE E. ESPINO
 PURCHASER

Telephone: 043-779-8320 local 803

 Authorized Company
 Representative

 PRICES IN THE ABOVE OFFER ARE
 CERTIFIED TRUE AND CORRECT.

(Signature Does Printed Name)

 Company Name:

 Address:

 Telephone No.:

 T.I.N.
IMPORTANT

- Prices must be typewritten in ink clearly.
- If offering is valid/true/dependent, signify the brand and make.

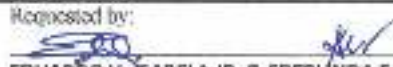
PURCHASE REQUEST

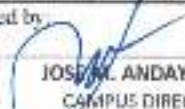
Entity Name: PHILIPPINE SCIENCE HIGH SCHOOL - CALABARZON REGION CAMPUS

Fund Cluster: 1,101,101.00

Office/Section : CID		PR No.: 2023-06-107	Date: June 29, 2023		
Stock / Property No.	Unit	Item Description	Quantity	Unit Cost	Total Cost
Note: All chemicals must be in its original packaging (Not repacked), expiration dates must be at least 5 years from the date of delivery, SDS must be provided per chemical & Certificate of analysis for AR grade chemicals.					
1	bot	2 Isopropyl-5-methylphenol or thymol, AR, at least 100 g	1	4,177.80	4,177.80
2	bot	2,4-Dinitrophenylhydrazine, AR, at least 100 g	1	5,901.50	5,901.50
3	bot	4-methylaniline or p-toluidine, AR, at least 25 g	1	53,900.00	53,900.00
4	bot	Acetaldehyde, AR, at least 100 ml	2	5,500.00	11,000.00
5	bot	Acetone, concentrated, AR, at least 2.5 l	1	1,086.80	1,086.80
6	bot	Aluminum oxide, AR, at least 500 g	1	4,190.50	4,190.50
7	bot	Ammonium hydroxide, AR, concentrated, at least 2.5 l	1	1,870.00	1,870.00
8	bot	Ammonium persulfate, AR, at least 500 g	1	1,152.80	1,152.80
9	bot	Ammonium sulfate, AR, at least 500 g	1	737.00	737.00
10	bot	Anhydrous sodium carbonate, AR, at least 1 Kg	1	1,375.00	1,375.00
11	bot	Barium chloride, AR, at least 500 g	1	819.50	819.50
12	bot	Benzaldehyde, AR, at least 500 mL	1	1,430.00	1,430.00
13	bot	Benzamide, AR, at least 500 g	1	5,038.00	5,038.00
14	bot	Benzoic acid, AR, at least 500 g	1	1,969.00	1,969.00
15	bot	Bromocresol green, AR, at least 25 g	1	4,345.00	4,345.00
16	bot	Calcium carbonate, AR, at least 500 g	1	1,925.00	1,925.00
17	bot	Calcium hydroxide, AR, at least 500 g	1	1,617.00	1,617.00
18	bot	Copper sulfate pentahydrate, AR, at least 500 g	1	1,474.00	1,474.00
19	bot	Cyclohexanone, AR, at least 500 ml	1	33,880.00	33,880.00
20	bot	Diethyl ether, AR, at least 1 L	2	2,043.80	4,087.60
21	bot	Dichloromethane hydrogen phosphate (D2-PO4), AR, at least 500 g	1	1,430.00	1,430.00
22	gal	Ethanol TG, 1 gal	2	440.00	880.00
23	bot	Ethyl alcohol, absolute, AR, at least 2.5 L	6	1,980.00	11,880.00
24	bot	Ferric chloride, at least 500 g	1	1,969.00	1,969.00
25	bot	Gelatin, AR, at least 500 g	1	5,258.00	5,258.00
26	bot	Glucose, AR, at least 500 g	1	1,977.80	1,977.80
27	bot	Glycerol, AR, 2.5 l	1	3,000.80	3,000.80
28	bot	Hex-1-ene, AR, at least 4 L	1	5,610.00	5,610.00
29	bot	Hexane, AR, at least 2.5 L	1	1,963.50	1,963.50
30	bot	Hydrochloric acid concentrated, AR, at least 2.5l	2	1,210.00	2,420.00
31	bot	Isopropyl alcohol, AR, at least 4L	2	2,618.00	5,236.00
32	bot	Lactophenol Cotton Blue solution, AR, at least 100 ml	1	2,178.00	2,178.00
33	bot	Magnesium hydroxide, AR, at least 500 g	1	5,775.00	5,775.00
34	bot	Manganous sulfate heptahydrate, AR, at least 500 g	1	1,419.00	1,419.00
35	bot	Methanol, TG or Lab Grade, 1 l	3	121.00	363.00
36	bot	Methylene blue solution, AR, at least 100 ml	1	154.00	154.00
37	bot	Naphthalene powder, AR at least 100 g	1	148.50	148.50
38	bot	Papain powder (Meat Tenderizer) at least 100 g	1	1,870.00	1,870.00
39	bot	Pepsin/ Pepsinogen, AR, at least 25 mg	1	2,145.00	2,145.00
40	bot	Petroleum Ether, AR at least 4 L	1	2,200.00	2,200.00
41	bot	pH buffer 10, AR, at least 1 L	1	958.00	958.00
42	bot	ph buffer 4, AR, at least 1 L	1	726.00	726.00
				TOTAL	201,488.10

Purpose: Chemicals and Reagents to be use in Chemistry, Biology and Research Subject

Requested by:
Signature: 
Printed Name: EDUARDO V. CABELA JR. & EDLERINDA E. LUMANGLAS
Designation: SSEL & SRAI

Approved by:

JOSE M. ANDAYA, D.T.
CAMPUS DIRECTOR


PURCHASE REQUEST

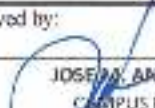
Entity Name: PHILIPPINE SCIENCE HIGH SCHOOL - CALABARZON REGION CAMPUS

Fund Cluster: 1101101

Office/Section : CID		PR No.: 2023 - 06 - 107	Date: June 29, 2023		
		Responsibility Center Code : 19-016-09-00014-02			
Stock / Property No.	Unit	Item Description	Quantity	Unit Cost	Total Cost
43	bot	pH buffer 7, AR, at least 1L	1	935.00	935.00
44	bot	Phosphoric Acid, 85%, at least 1L	1	550.00	550.00
45	bot	Potassium hydrogen phthalate (KHP), AR, at least 500g	1	1,540.00	1,540.00
46	bot	Potassium permanganate, AR, at least 250g	1	2,420.00	2,420.00
47	bot	Silica gel, AR, at least 500g	1	715.00	715.00
48	bot	Silicon oxide, AR, at least 300g	2	880.00	1,760.00
49	bot	Silver nitrate, AR, at least 300g	1	8,800.00	8,800.00
50	bot	Sodium acetate, AR, at least 500g	1	715.00	715.00
51	bot	Sodium azide, AR, at least 100g	1	3,520.00	3,520.00
52	bot	Sodium benzoate, AR, at least 500g	4	3,520.00	14,080.00
53	bot	Sodium bicarbonate, AR, at least 500g	1	825.00	825.00
54	bot	Sodium carbonate, AR, at least 500g	1	715.00	715.00
55	bot	Sodium hydroxide, AR, at least 500g	1	682.00	682.00
56	bot	Sodium hydroxide, pellets, AR, at least 500g	1	957.00	957.00
57	bot	Sodium iodide, AR, at least 250g	2	8,357.80	16,715.60
58	bot	Sodium peroxide, AR, at least 50g	2	31,663.50	63,327.00
59	bot	Starch, AR, at least 500g	2	2,197.80	4,395.60
60	bot	Sulfur powder, AR, at least 500g	2	6,600.00	13,200.00
61	bot	Sulfuric acid, concentrated, AR, at least 2.5L	2	4,741.00	9,482.00
62	bot	Trypsin solution, AR, at least 100ml	1	990.00	990.00
63	bot	Universal pH indicator, AR, at least 100ml	1	627.00	627.00
64	bot	Zinc chloride, AR, at least 500g	1	4,273.50	4,273.50
65	bot	Zinc metal, AR, at least 500g	1	1,760.00	1,760.00
66	bot	Zinc sulfate AR, at least 500g	1	1,331.00	1,331.00
67	rolls	Magnesium Ribbon, AR	6	374.00	2,244.00
68	bot	Schiff's Reagent, AR, at least 100ml	3	440.00	1,320.00
69	bot	Bluret's reagent at least 100ml	2	528.00	1,056.00
70	bot	Orcein, AR, at least 10g	1	3,300.00	3,300.00
71	set	Am 6, Am 6, 5 Am 6 (Microdew/1 block Dew each bottle)	1	2,013.00	2,013.00
72	bot	Sodium bicarbonate, Lab grade or higher, at least 500g	2	825.00	1,650.00
73	pack	pH indicator, 100s	2	1,155.00	2,310.00
74	bot	Potassium iodide 500g	1	10,876.80	10,876.80
				TOTAL	179,085.50

Purpose: Chemicals and Reagents to be use in Chemistry, Biology and Research Subject

Requested by:
Signature: 
Printed Name: EDUARDO V. SABELA JR. & EDERLINDA E. LUMANGLAS
Designation: SRS I & SRA I

Approved by:

JOSE M. ANDAYA, D.T.
CAMPUS DIRECTOR



TERMS OF REFERENCE FOR THE PROCUREMENT OF LABORATORY CHEMICALS & REAGENTS FOR BIOLOGY, CHEMISTRY AND RESEARCH

I. Background

The Philippine Science High School is mandated by the government to provide secondary education with emphasis on science and technology with the aim of preparing its students for STEM-related careers. The curriculum was designed to equip students with the knowledge, skills, and attitudes that are deemed to be essential in preparing for a STEM-related career. This aim is realized when instruction is aided with appropriate supplies and equipment.

II. Rationale

Experimenting with various science subjects such as Biology, Chemistry, and Research is essential since it will help students understand actual laboratory concepts. In preparation for the classes next school year 2023 - 2024, increased use of chemicals and reagents will be observed; therefore, the school must purchase chemicals and reagents for laboratory experiments. Enough resources will help the science teachers teach their students the importance of science subjects in their daily activities.

III. Scope of Work and Job Specifications

The service provider should provide the listed chemical reagents following the required specifications indicated for each item (See Enclosure No.1). All chemicals shall be properly labelled with a chemical name, supplier's name, manufacturer's name, chemical source indicating its Lot no., reagent grade (AR or TG), quantity, and concentration and expiration date (Month and year). Suppliers must provide a hard copy of Certificate of analysis and Safety Data Sheets (SDS) of each chemical to the procuring entity.

IV. Approved Budget for the Contract

The approved budget for the contract is **THREE HUNDRED EIGHTY THOUSAND FIVE HUNDRED SEVENTY THREE PESOS AND SIXTY CENTAVOS (Php 380,573.60)**.

V. Evaluation and Selection Criteria

Proposal with the lowest calculated bid with complete specification and required documents such as Certificate of analysis (for AR grade) and SDS for chemicals shall be accepted.

VI. Payment Scheme

Payment for the procured items shall be made **15 to 45 day(s)** the said items are delivered to the procuring entity.

VI. Delivery Term

All items must be delivered within **30 to 60 days** after issuance of purchase order.

Enclosure No. 1

**LIST OF LABORATORY CHEMICALS & REAGENTS FOR BIOLOGY, CHEMISTRY,
 PHYSICS AND RESEARCH**

Item no.	QTY	UNIT	ITEM	Estimated Unit Price	Estimated Total Price
Note: All chemicals must be in its original packaging (Not repacked), expiration dates must be at least 5 years from the date of delivery. SDS must be provided per chemical & Certificate of analysis for AR grade chemicals.					
1	1	bot	2-isopropyl-5-methylphenol or thymol, AR, at least 100 g	4,177.80	4,177.80
2	1	bot	2,4-Dinitrophenylhydrazine, AR, at least 100 g	5,901.50	5,901.50
3	1	bot	4-methylaniline or p-toluidine, AR, at least 25 g	53,900.00	53,900.00
4	2	bot	Acetaldehyde, AR, at least 100 ml	5,500.00	11,000.00
5	1	bot	Acetone, concentrated, AR, at least 2.5 L	1,086.80	1,086.80
6	1	bot	Aluminum oxide, AR, at least 500 g	4,130.50	4,130.50
7	1	bot	Ammonium hydroxide, AR, concentrated, at least 2.5 L	1,870.00	1,870.00
8	1	bot	Ammonium persulfate, AR, at least 500 g	1,152.80	1,152.80
9	1	bot	Ammonium sulfate, AR, at least 500 g	737.00	737.00
10	1	bot	Anhydrous sodium carbonate, AR, at least 1 Kg	1,375.00	1,375.00
11	1	bot	Barium chloride, AR, at least 500 g	819.50	819.50
12	1	bot	Benzaldehyde, AR, at least 500 mL	1,430.00	1,430.00
13	1	bot	Benzamide, AR, at least 500 g	5,038.00	5,038.00
14	1	bot	Benzoic acid, AR, at least 500 g	1,969.00	1,969.00
15	1	bot	Bromocresol green, AR, at least 25 g	4,345.00	4,345.00



16	1	bot	Calcium carbonate, AR, at least 500 g	1,925.00	1,925.00
17	1	bot	Calcium hydroxide, AR, at least 500 g	1,617.00	1,617.00
18	1	bot	Copper sulfate pentahydrate, AR, at least 500 g	1,474.00	1,474.00
19	1	bot	Cyclohexanone, AR, at least 500 ml	33,880.00	33,880.00
20	2	bot	Diethyl ether, AR, at least 1 L	2,043.80	4,087.60
21	1	bot	Dipotassium hydrogen phosphate (K ₂ HPO ₄), AR, at least 500 g	1,430.00	1,430.00
22	2	gal	Ethanol TG, 1 gal	440.00	880.00
23	6	bot	Ethyl alcohol, absolute, AR, at least 2.5 L	1,980.00	11,880.00
24	1	bot	Ferric chloride, at least 500 g	1,969.00	1,969.00
25	1	bot	Gelatin, AR, at least 500 g	5,258.00	5,258.00
26	1	bot	Glucose, AR, at least 500 g	1,977.80	1,977.80
27	1	bot	Glycerine, AR, 2.5 L	3,000.80	3,000.80
28	1	bot	Hex-1-ene, AR, at least 4 L	5,610.00	5,610.00
29	1	bot	Hexane, AR, at least 2.5 L	1,963.50	1,963.50
30	2	bot	Hydrochloric acid concentrated, AR, at least 2.5L	1,210.00	2,420.00
31	2	bot	Isopropyl alcohol, AR, at least 4 L	2,618.00	5,236.00
32	1	bot	Lactophenol Cotton Blue solution, AR, at least 100 ml	2,178.00	2,178.00
33	1	bot	Magnesium hydroxide, AR, at least 500 g	5,775.00	5,775.00
34	1	bot	Manganous sulfate heptahydrate, AR, at least 500 g	1,419.00	1,419.00
35	3	bot	Methanol, TG or Lab Grade, 1 L	121.00	363.00
36	1	bot	Methylene blue solution, AR, at least 100 ml	154.00	154.00

37	1	bot	Naphthalene powder, AR at least 100 g	148.50	148.50
38	1	bot	Papain powder (Meat Tenderizer) at least 100 g	1,870.00	1,870.00
39	1	bot	Pepsin/ Pepsinogen, AR, at least 25 mg	2,145.00	2,145.00
40	1	bot	Petroleum Ether, AR at least 4 L	2,200.00	2,200.00
41	1	bot	pH buffer 10, AR, at least 1 L	968.00	968.00
42	1	bot	pH buffer 4, AR, at least 1 L	726.00	726.00
43	1	bot	pH buffer 7, AR, at least 1 L	935.00	935.00
44	1	bot	Phosphoric Acid, 85%, at least 1 L	550.00	550.00
45	1	bot	Potassium hydrogen phthalate (KHP), AR, at least 500g	1,540.00	1,540.00
46	1	bot	Potassium permanganate, AR, at least 250 g	2,420.00	2,420.00
47	1	bot	Silica gel, AR, at least 500 g	715.00	715.00
48	2	bot	Silicon oxide, AR, at least 100 g	880.00	1,760.00
49	1	bot	Silver nitrate, AR, at least 100 g	8,800.00	8,800.00
50	1	bot	Sodium acetate, AR, at least 500 g	715.00	715.00
51	1	bot	Sodium azide, AR, at least 100 g	3,520.00	3,520.00
52	4	bot	Sodium benzoate, AR, at least 500 g	3,520.00	14,080.00
53	1	bot	Sodium bicarbonate, AR, at least 500 g	825.00	825.00
54	1	bot	Sodium carbonate, AR, at least 500 g	715.00	715.00
55	1	bot	Sodium hydroxide, AR, at least 500 g	682.00	682.00
56	1	bot	Sodium hydroxide, pellets, AR, at least 500 g	957.00	957.00
57	2	bot	Sodium iodide, AR, at least 250 g	8,357.80	16,715.60
58	2	bot	Sodium peroxide, AR, at least 50 g	31,663.50	63,327.00
59	2	bot	Starch, AR, at least 500 g	2,197.80	4,395.60



60	2	bot	Sulfur powder, AR, at least 500 g	6,600.00	13,200.00
61	2	bot	Sulfuric acid, concentrated, AR, at least 2.5 L	4,741.00	9,482.00
62	1	bot	Trypsin solution, AR, at least 100 ml	990.00	990.00
63	1	bot	Universal pH indicator, AR, at least 100 ml	627.00	627.00
64	1	bot	Zinc chloride, AR, at least 500 g	4,273.50	4,273.50
65	1	bot	Zinc metal, AR, at least 500 g	1,760.00	1,760.00
66	1	bot	Zinc sulfate AR, at least 500 g	1,331.00	1,331.00
67	6	rolls	Magnesium Ribbon, AR	374.00	2,244.00
68	3	bot	Schiff's Reagent, AR, at least 100 ml	440.00	1,320.00
69	2	bot	Biurets reagent at least 100 ml	528.00	1,056.00
70	1	bot	Orcein, AR, at least 10 g	3,300.00	3,300.00
71	1	set	Anti A, Anti B, & Anti -D monoclonal (at least 10 ml each bottle)	2,013.00	2,013.00
72	2	bot	Sodium bicarbonate, Lab grade or higher, at least 500 g	825.00	1,650.00
73	2	pack	pH indicator, 100s	1,155.00	2,310.00
74	1	bot	Potassium iodide, AR 500 g	10,876.80	10,876.80

TOTAL AMOUNT: **Php 380,573.60**




**Re: TERMS OF REFERENCE FOR THE PROCUREMENT OF LABORATORY
CHEMICALS & REAGENTS FOR BIOLOGY, CHEMISTRY AND RESEARCH**

ABC: Php 380,573.60

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