



CHEMISTRY LABORATORY INVENTORY (as of April 30, 2021)

The laboratory materials and equipment are arranged based on CMO 35 Guidelines

A. GLASSWARES

Quantity	Name of glasswares	Description / Capacity	Remarks
1	Erlenmeyer Flask	1000 ml	Functional and Available
7	Erlenmeyer Flask	500 ml	Functional and Available
12	Erlenmeyer Flask	300 ml	Functional and Available
58	Erlenmeyer Flask	250 ml	Functional and Available
14	Erlenmeyer Flask	125 ml	Functional and Available
1	Graduated Cylinder	1000 ml	Functional and Available
3	Graduated Cylinder	500 ml	Functional and Available
13	Graduated Cylinder	250 ml	Functional and Available
14	Graduated Cylinder	100 ml	Functional and Available
15	Graduated Cylinder	50 ml	Functional and Available
18	Graduated Cylinder	25 ml	Functional and Available
15	Graduated Cylinder	10 ml	Functional and Available
1	Beaker	1500 ml	Functional and Available
11	Beaker	1000 ml	Functional and Available
24	Beaker	600 ml	Functional and Available
11	Beaker	500 ml	Functional and Available
44	Beaker	400 ml	Functional and Available
48	Beaker	250 ml	Functional and Available
1	Beaker	150 ml	Functional and Available
20	Beaker	100 ml	Functional and Available
12	Beaker	50ml	Functional and Available
29	Watch Glass	Large	Functional and Available
8	Watch Glass	Medium	Functional and Available
7	Watch Glass	Small	Functional and Available
10	Petri dish		Functional and Available
46	Crucible		Functional and Available
51	Crucible cover		Functional and Available



Quantity	Name of glasswares	Description / Capacity	Remarks
47	Evaporating dish	small	Functional and available
14	Evaporating dish	Medium	Functional and Available
1	Evaporating dish	Big	Functional and Available
39	Funnel		Functional and Available
10	Stirring rod		Functional and Available
13	Reagent Bottles		Functional and Available
5	Separatory funnel		Functional and Available
7	Retort flask	Round flask w/ long tube	Functional and Available
10	Volumetric Flask	500 ml	Functional and Available
13	Volumetric Flask	250 ml	Functional and Available
1	Volumetric Flask	200 ml	Functional and Available
6	Volumetric Flask	100 ml	Functional and Available
9	Volumetric Flask	50 ml	Functional and Available
5	Volumetric Flask	25 ml	Functional and Available
20	Culture tubes	With cover	Functional and Available
10	Culture tubes	Without cover	Functional and Available
38	Centrifuge tube		Functional and Available
50	Test tubes	5 ml	Functional and Available
25	Test tubes	10 ml	Functional and Available
1299	Test tubes	25 ml	Functional and Available
50	Test tubes	50 ml	Functional and Available
13	Florence flask	500 ml	Functional and Available
5	Florence flask	250 ml	Functional and Available
5	Florence flask	125 ml	Functional and Available
1	Base buret	50 ml	Functional and Available
9	Base buret	25 ml	Functional and available
9	Weighing bottles		Functional and available
3	Round bottom flask	500 ml	Functional and available



Quantity	Name of glassware	Description/Capacity	Functional and Available
2	Acid Burette	50 ml	Functional and available
5	Acid Burette	25 ml	Functional and Available
12	Pipette	10 ml	Functional and Available
6	Distilling tube		Functional and available



OTHER EQUIPMENTS

Quantity	Name of equipment	Description	Remarks
17	Iron ring		Functional and Available
22	Tripod		Functional and Available
48	Test tube holder		Functional and Available
28	Test tube brush		Functional and Available
28	Tongs		Functional and Available
3	Burette holder		Functional and Available
13	Iron clamp		Functional and Available
21	Iron stand		Functional and Available
1	Hot plate		Functional and Available
2	Electric stove		Functional and Available
13	Test tube rack	Wooden	Functional and Available
7	Test tube rack	Metal	Functional and Available
1	Centrifuge Machine		Functional and Available
45	Rubber Stopper	Big	Functional and Available
40	Rubber Stopper	Small	Functional and Available
21	Double beam balance		Functional and Available
5	Triple beam		Functional and Available
7	Double pan weighing scale		Functional and Available
1	Desiccator		Functional and Available
22	Mortar		Functional and Available
17	Pestle		Functional and Available
10	Bunsen burner		Functional and Available
58	Wire gauze		Functional and Available



Quantity	Name of equipment	Description	Remarks
10	Thermometer		Functional and Available
4	pH meter		Functional and Available
4	Rubber bulb		Functional and Available
5	4 in 1 soil survey instruments		Functional and Available
2	Tin Pan		Functional and Available
2	Iron rod		Functional and Available
1 (box)	Litmus paper		Functional and Available
1 (box)	Filter paper		Functional and Available
4	Magnet horseshoe		Functional and Available
1	Magnet bar		Functional and Available
2	Spatula		Functional and Available
4	Long Iron Clamp		Functional and Available
1	Iron Clamp (red)		Functional and Available
5	Tripod Aluminum Stand		Functional and Available
5	Tripod (black)		Functional and Available
3	Tripod (Triangle)		Functional and Available
4	Tripod (round)		Functional and Available




B. BASIC EQUIPMENTS


Quantity	Name of equipment	Description	Remarks
1 set	Water quality checker with probes	Onitron brand (bench type)	Functional and Available
1 unit	Oven		Functional and Available
1 unit	Furnace		Functional and Available
2 units	UV VIS		Functional and Available
1 unit	Vacuum filter		Functional and Available
1	Refractometer		Functional and Available
2	Toploading balance		Functional and available
1	Multi parameter Water Quality Checker	Hanna Brand	Functional and Available
2	Multi parameter Water Quality Checker-	Horiba brand	Functional and Available (new ppurchase)
7	Phytometer		Functional and Available
2	Desiccator		Functional and Available
1	Atomic Absorption Spectrophotometer	With lamps	Functional and Available
	Fumehood		Functional and Available
1	Emergency Safety Drench Shower and Eye/Face Wash		To be installed

C. Atomic and molecular models are available

D. Smart televisions are installed in the laboratory rooms .

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
CHEMICALS AVAILABLE IN THE LABORATORY (as of April 30, 2021)

Chemicals	Supply available	Chemicals	Supply Available
Sodium carbonate AR	500 g	Sucrose	250 g
Sodium carbonate (Technical grade)	175 g	Sulfur powder (Technical grade)	254 g
NaOH pellets	350 g	Sulfuric acid AR	2 gallons
Nal	250 g	Tin granules AR	500 g
NaNO3 AR	300 g	Xylene	1 liter
Sodium Oxalate	500 g	Zinc oxide (Tech. grade)	1250 g
Sodium sulfate (anhydrous)	500 g	Zinc sulfate	500 g
Sodium thiosulfate	250 g	Acetone	
Starch	300 g	Ascorbic acid	
SrCl2	300 g	Ammonium molybdate tetrahydrate	
Strontium Nitrate	200 g	Antimony potassium tartrate	
EDTA		Borax	
KHP-potassium dihydrogen phosphate		sulfanilamide	
Potassium nitrate		Ammonium chloride	
Hydrochloric acid		Nitric acid	
Sodium thiosulfate		Sulfuric acid	
N-1 naphyl ethylene diamine		Manganous sulfate	
Potassium iodide		Ammonium hydroxide	
Sulfanilamide		Sulfur powder	
Iron filings		NaCl	
Cadmium sulfate		Agar	
silica		Formalin	
Tartaric acid		Sodium sulfite	
Potassium hydroxide		Silver nitrate	
Calcium carbonate			

Indicators:

Phenolphthalein
 Methyl orange
 Methylene blue
 EBT
 Bromthymol blue
 Methyl red

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New Purchases (as of February 21, 2021) of the school for Chemistry Laboratory which can be used for the first semester of AY 2021-2022

Quantity	Equipment/Materials	Description
4	Student Laboratory Table-open table type drawer in cup sink	Specification Rectangular - open selves - 3.1 m x 1.0m x 0.9m Polyester resin w/ PTFE resin coated anti static and chemical resistance countertop black Complete gas outlet, water outlet in spicket faucet and electrical outlet Made of heavy gauge tubular powder coated steel framestand Features: 12 open type drawer, (4) cup sink on top in water spicket and (4) ceramic gas Spicket and electrical outlet and all heavy gauge stainless pipe for gas All heavy gauge stainless pipe for gas Framestand was made of heavy gauge tubular steel powder coated finished Dimension 3.1 m x 1.0m x 0.90m
1	Teacher's Demonstration Table	Polyester resin gel-keto acid resistant counter top black 1 3/4 thick Built in cabinet and drawers, complete w/ gas, water and converter/charger
1	Emergency Safety Drench Shower and Eye/Face Wash	S/S 316 material Head: 10" shower and eye wash waste water reclamation bowl S/S eyewash head in flip top dust cover
1	Analytical Balance	Specification: w p Weighing capacity: 220.00 grams s Minimum display: 0.0001 gram - Repeatability/ Standard deviation): 50.1 mg T— Linearity: ±0.2 mg Response time: 1.5 sec to 3.0 sec Pan size: 91mm diameter Calibration modes: internal (automatic) & external (manual) — Power requirement: 240V y— Output terminal: RS232, USB-Type B r—Body dimension: 213Wx356DX338H(mm) LCD Digital Display c Technical Features: - Engineer weighing technology Built-in, motor-driven automatic calibration S Interface capability with software



**New Purchases (as of February 21, 2021) of the school for Chemistry Laboratory
 which can be used for the first semester of AY 2021-2022**

Quantity	Equipment/ Materials	Description
1	Acid Resistant Laboratory Fumehood	<p>Specification: UV lamp for Sterilization Motorized front glass window. Adjustable air speed: 9 levels Alarm when filter working time 3500 hours With air velocity memory function in case of power failure. Back side air compensation, to avoid turbulence in work area. 10° slope front ergonomics design, fatigue-free working posture. Microprocessor control system, LED display shows filter working time. Transparent side glass windows maximize light and visibility inside the cabinet, providing a bright and open working environment. External Size:(WxDXH) 1000x840x2150mm Internal Size: 880x730x745 mm Max opening: 520mm Work surface Height: 750mm Blower: Built-in centrifugal blower, speed adjustable with 9 levels Air Velocity: 0.3 to 0.8 m/s Noise: s60dB Flourescent Lamp: 18 W UV lamp: Emission of 253.7 nanometers for most efficient decontamination Front windows: Motorized: 5mm toughened glass, anti-UV Material: Exterior Body: Cold-rolled steel with anti-bacteria power coating Work Table: Chemical resistant phenolic resin. Power Supply: 220V, 60Hz Consumption: 400W Standard accssories: Water tap, qas tap, water sink, base stand, UV lamp Flourescent Lamp, With one waterproof socket consumption not more then 500W. 4 meter exhaust duct, Active carbon filter, Foot switch.</p>

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