

LABORATORY INFORMATION

LABORATORY NAME: PHARMACEUTICAL CHEMISTRY I

LABORATORY NO & FLOOR: 504, FIFTH FLOOR

LAB IN-CHARGE: MS. ADITI MHATRE

LAB ASSISTANT: MRS. JYOTI DAWKHAR

DEPARTMENT: PHARMACEUTICAL CHEMISTRY

SUBJECT: PHARMACEUTICAL CHEMISTRY,

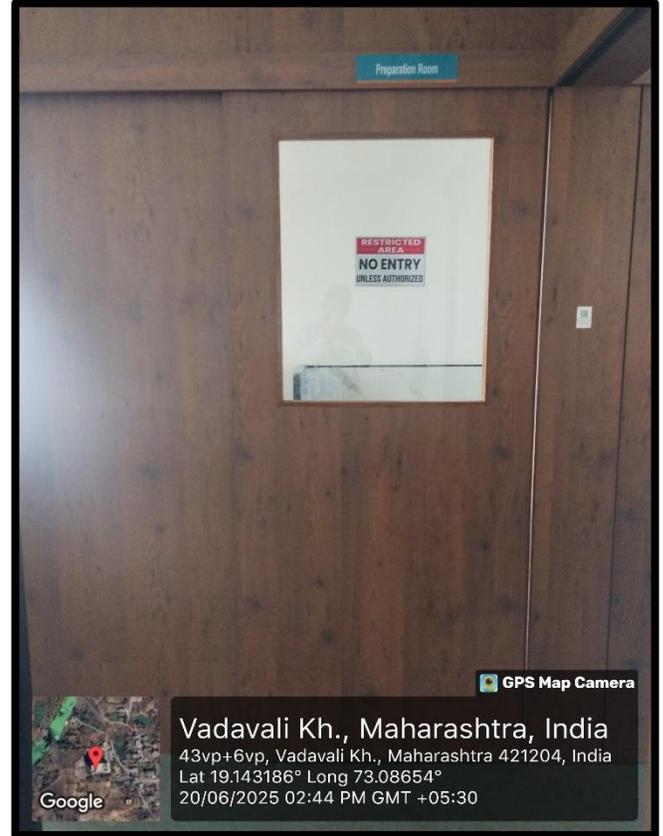
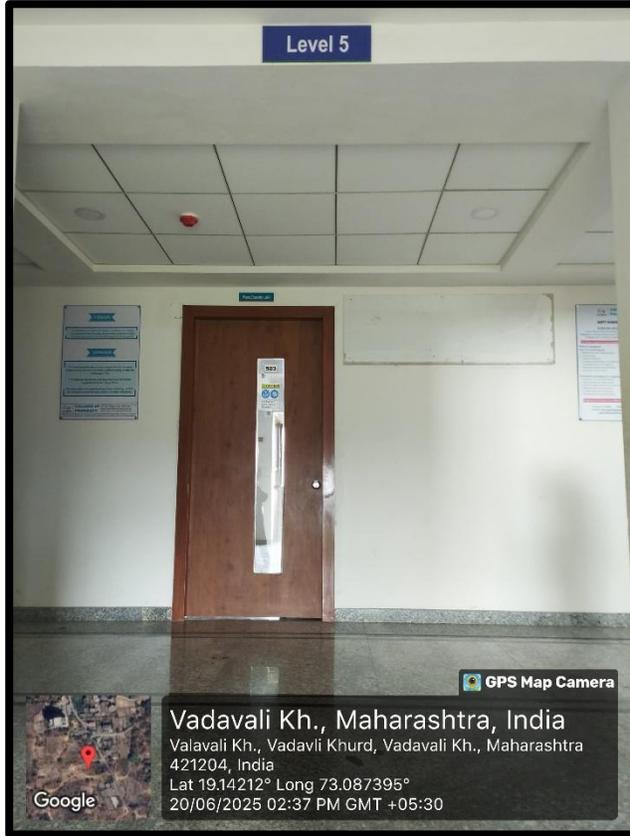
BIOCHEMISTRY & CLINICAL PATHOLOGY.

ACADEMIC YEAR: 2024- 2025

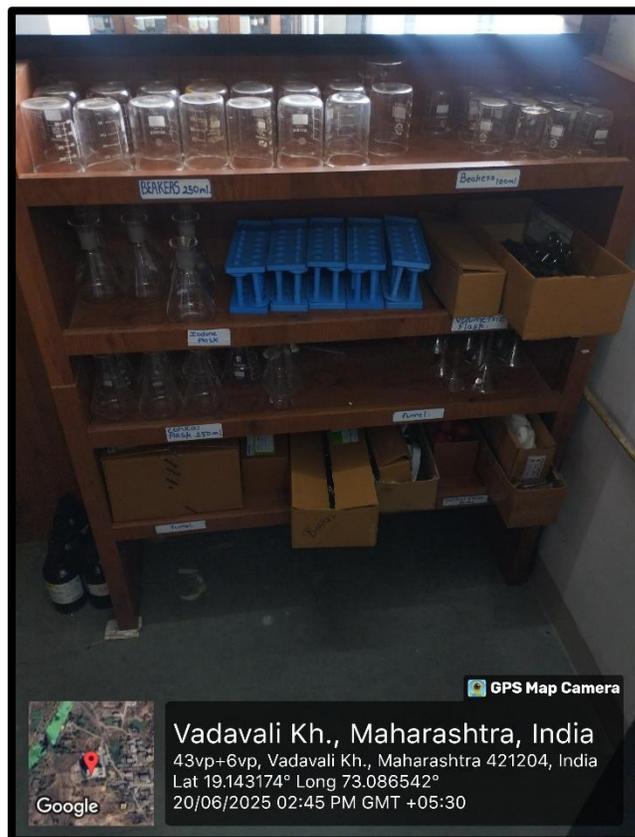
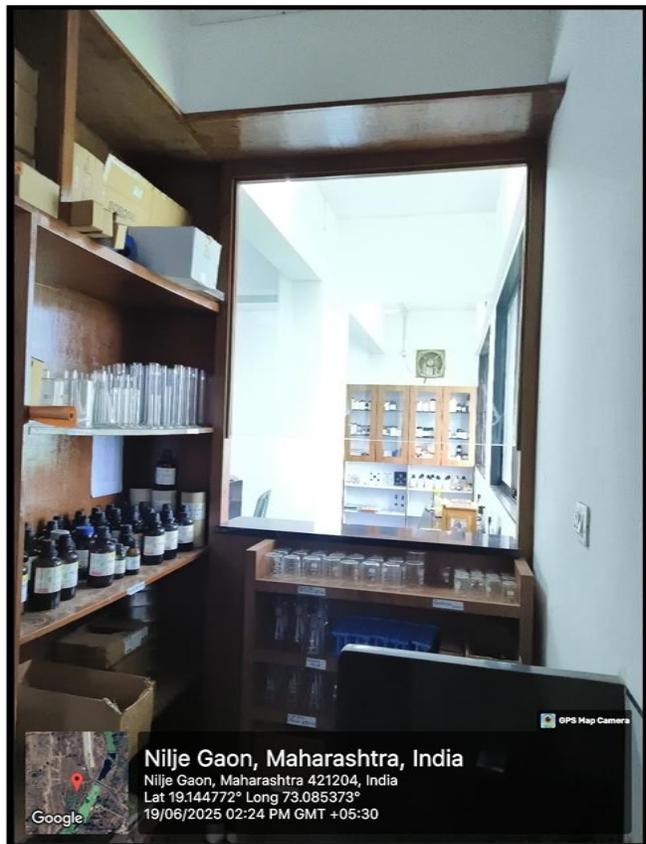


(Recognized By : Pharmacy Council of India (PCI), New Delhi, Government of Maharashtra, Directorate of Technical Education, Mumbai
(Affiliated To : University of Mumbai, Maharashtra State Board of Technical Education (MSBTE))

Photos



(Recognized By : Pharmacy Council of India (PCI), New Delhi, Government of Maharashtra, Directorate of Technical Education, Mumbai
 (Affiliated To : University of Mumbai, Maharashtra State Board of Technical Education (MSBTE))



(Recognized By : Pharmacy Council of India (PCI), New Delhi, Government of Maharashtra, Directorate of Technical Education, Mumbai
(Affiliated To : University of Mumbai, Maharashtra State Board of Technical Education (MSBTE))



Utkarsh
PRINCIPAL
AIMS College of Pharmacy
At-AIMS Foundation, Vadavli
Dombivli (E)

AIMS College of Pharmacy
Department: Pharmaceutical Chemistry
Lab No.: 504
Floor: 5th
EQUIPMENT LIST

Sr. No.	Equipment' s	Quantity
1.	Analytical Balance	1
2.	Digital PH Meter	1
3.	Digital Colorimeter	1
4.	Distillation Unit	1
5.	Gutzeit Apparatus	2
6.	Hot Plate	1
7.	Magnetic Stirrer	3
8.	Melting Point Apparatus	1
9.	Precision Electronic Balance	1
10.	Water Bath Electrical	1



PRINCIPAL
AIMS College of Pharmacy
At-AIMS Foundation, Vadavli
Dombivli (E)

AIMS College of Pharmacy
Department: Pharmaceutical Chemistry
Lab No.: 504
Floor: 5th
CHEMICAL LIST

Sr. No.	Chemical Name	Quantity
1.	Ammonium Bicarbonate	500gm
2.	Ammonium Thiocyanate	500gm
3.	Aluminum Sulphate .	500gm
4.	Acetamide	500gm
5.	Ammonium Chloride	500gm
6.	Acetanilide	500gm
7.	Aluminum Hydroxide gel	500gm
8.	A- Naphthol	100gm
9.	Ammonium Sulphate	500gm
10.	Acetyl Salicylic Acid	25gm
11.	Activated charcoal	500gm
12.	Ammonium ferric Sulphate	500gm
13.	Atropine Sulphate	5gm
14.	Albumin Bovine	5gm
15.	Ammonium Molybdate	100gm
16.	Arsenic Oxide	500gm
17.	Ammonium Ceric Nitrate	250gm
18.	Ammonium Oxalate	500gm
19.	Ammonium Carbonate	500gm
20.	Aluminium chloride	500gm
21.	Ammonium Ceric Sulphate	500gm
22.	Ammonium Acetate	500gm
23.	Borax	500gm
24.	Barium Sulphate	500gm
25.	Bile Salt	100gm
26.	Benzamide	500gm
27.	Benzoic Acid	500gm
28.	Benzil	500gm
29.	Barium Nitrate	500gm
30.	Bromo Cresol green	25gm
31.	Bromothymol Blue	25gm
32.	B- Naphthol	500gm
33.	Bentonite Powder	500gm
34.	Barium chloride	500gm
35.	Benzoin	500gm

(Recognized By : Pharmacy Council of India (PCI), New Delhi, Government of Maharashtra, Directorate of Technical Education, Mumbai
 (Affiliated To : University of Mumbai, Maharashtra State Board of Technical Education (MSBTE))

36.	Buffer Capsules PH 7 . 0	10 No .
37.	Buffer Capsules PH 6 . 0	10 No .
38.	Buffer Capsules PH 4 . 0	10 No .
39.	Buffer Capsules PH 9 . 2	10 No .
40.	Cholesterol	25gm
41.	Creatinine	25gm
42.	Chlorpromazine	25gm
43.	Copper metal Powder	100 gm
44.	Caffeine	100gm
45.	Calcium Nitrate	250gm
46.	Copper Sulphate	500gm
47.	Casein	250gm
48.	Calcium Gluconate	500gm
49.	Calcium D-Saccharate	500gm
50.	Calcium chloride	500gm
51.	Citric Acid	500gm
52.	Dextrose triose	500gm
53.	Di-phenyl Carbazide	25gm
54.	Eosin Spirit Soluble	25gm
55.	Ethylenediamine EDTA	500gm
56.	EDTA Plain	500gm
57.	Ferrous Sulphate	500gm
58.	Ferric chloride	500gm
59.	Ferrous phosphate .	500gm
60.	Gelatin Powder	500gm
61.	Glycerol mono Stearate	250gm
62.	Ibuprofen	100gm
63.	Iron metal	500gm
64.	Iodine	50gm
65.	Lead Acetate	500gm
66.	L- Ascorbic Acid	500gm
67.	Lead nitrate	500gm
68.	Lactose	500gm
69.	L-tryptophane	5gm
70.	L-tyrosine	25gm
71.	Magnesium Sulphate	500gm
72.	Hydroxide	500gm
73.	Mercuric chloride	250gm
74.	Mercuric Sulphate	250gm
75.	Methyl Orange	25gm
76.	Mercuric Nitrate	500gm
77.	Naphthalene balls	500gm
78.	O-phenylendiamine	500gm
79.	Oxalic Acid	500gm

(Recognized By : Pharmacy Council of India (PCI), New Delhi, Government of Maharashtra, Directorate of Technical Education, Mumbai
 (Affiliated To : University of Mumbai, Maharashtra State Board of Technical Education (MSBTE))

80.	Resorcinol	500gm
81.	Thiourea	500gm
82.	Tannic Acid	100gm
83.	Thymolphthalein .	500gm
84.	Sodium Lauryl Sulphate	500gm
85.	Stearic Acid	500gm
86.	Sulphur Powder	500gm
87.	Salicylic Acid	500gm
88.	Sulphanilamide	500gm
89.	Sodium Cobaltinitrite	500gm
90.	Sodium Oxalate	500gm
91.	Sodium Sulphide	500gm
92.	Sodium Thiosulphate	250gm
93.	Stannous chloride	250gm
94.	Sodium Carbonate	500gm
95.	Starch maize Powder	500gm
96.	Sodium Acetate	500gm
97.	Sodium Nitrate	500gm
98.	Sodium Hydroxide	500gm
99.	Sodium Bicarbonate .	500gm
100.	Soda lime	500gm
101.	Sodium Phosphate	500gm
102.	Sodium Metal	100gm
103.	Sodium Nitroprusside	500gm
104.	Sodium Chloride	500gm
105.	Silver Nitrate	15gm
106.	P-Amino Benzoic Acid	500gm
107.	Potassium Oxalate	500gm
108.	Potassium Permanganate	500gm
109.	Phthalic Anhydride	500gm
110.	Phenolphthalein	100gm
111.	Potassium Bromate	500gm
112.	Potassium chloride	500gm
113.	Potassium Sulphate	500gm
114.	Potassium iodide	500gm
115.	Potassium ferricyanide	500gm
116.	Potassium ferricyanide	100gm
117.	Picric Acid	500gm
118.	Potassium Hydrogen phthalate	500gm
119.	Potassium Hydroxide,	500gm
120.	Potassium carbonate	500gm
121.	Potassium Chromate	100gm
122.	Phenyl Hydrazine HCL	100gm
123.	Potassium thiocyanate	250gm



(Recognized By : Pharmacy Council of India (PCI), New Delhi, Government of Maharashtra, Directorate of Technical Education, Mumbai
(Affiliated To : University of Mumbai, Maharashtra State Board of Technical Education (MSBTE))

124.	Phenolphthalein	100gm
125.	Potassium Acetate	500gm
126.	Potassium iodate	500gm
127.	Potassium Hydrogen Phthalate .	500gm
128.	Peptone	500gm
129.	Paracetamol	500gm
130.	Potassium Ppermagnate	500gm
131.	Potassium Dichromate	500gm
132.	Potassium Sulphate	500gm
133.	Zinc Sulphate	500gm
134.	Zinc metal Dust	250gm
135.	Zinc metal	500gm
136.	Urea	500gm
137.	Acetone	500 ml
138.	Ammonia Solution	500 ml
139.	Aniline 99%	500 ml
140.	Benzaldehyde 99%	500 ml
141.	Benzene Sulphony Chloride	500 ml
142.	Benzoyl Chloride 98%	500 ml
143.	Bromine Water	500 ml
144.	Castor Oil Extra Pure	500 ml
145.	Chloroform 99%	500 ml
146.	Di-Ethyle -Ether 98%	500 ml
147.	Di-Methyl Formide99%	500 ml
148.	Ehrlich's Reagent	125 ml
149.	Ethyl Acetoacetate	500 ml
150.	Ferroun Solution	100 ml
151.	Fouchet's Reagent	125 ml
152.	Hydrogen Sulphide Solution	500 ml
153.	Methyl Salicylate 99%	500 ml
154.	Molish Reagent	500 ml
155.	Morners Reagent	500 ml
156.	Nitrobenzene	500 ml
157.	O-Cresol	500 ml
158.	O-Tolidine Reagent	500 ml
159.	O-Toluidine 99%	500 ml
160.	Phenol 89%	500 ml
161.	Phenyl Hydrazine	500 ml
162.	Pyridine	500 ml
163.	Strontium A Standard	125 ml
164.	Tollens Reagent	500 ml
165.	Toluene	500 ml
166.	Barfoed's Reagent	500 ml
167.	Benedict's Reagent	500 ml

(Recognized By : Pharmacy Council of India (PCI), New Delhi, Government of Maharashtra, Directorate of Technical Education, Mumbai
 (Affiliated To : University of Mumbai, Maharashtra State Board of Technical Education (MSBTE))

168.	Chlorine Water	500 ml
169.	Esbach's Reagent	125 ml
170.	Ethanol 95%	500 ml
171.	Fehling Solution A	500 ml
172.	Fehling Solution B	500 ml
173.	Ferroun Solution	125 ml
174.	Hypobromite Solution	500 ml
175.	Mayer's Reagent	500 ml
176.	Methanol 99%	500 ml
177.	Ninhydrin Solution	125 ml
178.	Paraffin Liquid (Light)	500 ml
179.	Paraffin Liquid (Heavy)	500 ml
180.	Phenol Red	125 ml



PRINCIPAL
 AIMS College of Pharmacy
 At-AIMS Foundation, Vadavli
 Dombivli (E)

AIMS College of Pharmacy
Department: Pharmaceutical Chemistry
Lab No.: 504
Floor: 5th
GLASSWARE'S LIST

Sr. No.	Glassware's	Quantity
1.	Beaker-50ml	25
2.	Beaker 100m	40
3.	Beaker250ml	50



(Recognized By : Pharmacy Council of India (PCI), New Delhi, Government of Maharashtra, Directorate of Technical Education, Mumbai
(Affiliated To : University of Mumbai, Maharashtra State Board of Technical Education (MSBTE))

4.	Beaker 500ml	5
5.	Beaker 1000ml	5
6.	Conical Flask - 50ml	40
7.	Conical Flask 100ml	30
8.	Conical Flask - 250ml	40
9.	Burette	40
10.	Burette Clamp Small	40
11.	Burette clamp big	30
12.	Burette Stand	40
13.	Funnel 55mm	20
14.	Funnel 15mm	30
15.	Glass Rod	40
16.	Evaporating Dish	15
17.	Measuring Cylinder - 5ml .	5
18.	Measuring Cylinder - 10ml	10
19.	Measuring Cylinder - 25ml	15
20.	Measuring Cylinder - 50ml	30
21.	Measuring Cylinder 100ml	40
22.	Test Tube	200
23.	Test Tube	15
24.	Test Tube Holder .	30
25.	Test Tube Stand	25
26.	Thermometer	20
27.	Tong	30
28.	Tripod Stand	25
29.	Rubber Bulb	40
30.	Pipette 1ml	15
31.	Pipette 2ml	20
32.	Pipette 5ml	10
33.	Pipette 10ml	5
34.	Pipette 25ml	5
35.	Volumetric flask	15
36.	Water Bath	30



College of Pharmacy

AIMS Foundation, Vadavli, Dombivli (E), 421 204,

Tel. : 0251-6185000, Mobile : 9152194959

Email : aimscollegeofpharmacy@gmail.com

Website : www.aimscollegeofpharmacy.com

(Recognized By : Pharmacy Council of India (PCI), New Delhi, Government of Maharashtra, Directorate of Technical Education, Mumbai
(Affiliated To : University of Mumbai, Maharashtra State Board of Technical Education (MSBTE))

37.	Wire Gauze	30
38.	Volumetric Flask 1000ml	5
39.	Volumetric Flask 500ml	10

U Kanare

PRINCIPAL
AIMS College of Pharmacy
At-AIMS Foundation, Vadavli
Dombivli (E)