

**H.E.J. RESEARCH INSTITUTE OF CHEMISTRY
INTERNATIONAL CENTER FOR CHEMICAL AND BIOLOGICAL SCIENCES
UNIVERSITY OF KARACHI
KARACHI-75270**

TENDER NOTICE NO. HEJ-230511

Sealed tenders are invited from the sales tax and income tax registered firms for purchase/import of chemicals for the Center. The detail and specification of the items can be collected from the date of notification on the websites, from Purchase Office of the Center, on any working day between 9.00 a.m. to 12.30 p.m., (except Friday), on payment of Rs. 300/- (non-refundable), in shape of a pay order (Demand Draft by the out of Karachi suppliers), in favor of the Director, H.E.J., or downloaded from the websites www.iccs.edu www.pprasindh.gov.pk and www.ppra.org.pk The tenders can be submitted with 2% of the bid value as bid security, in shape of a pay order in favor of the Director, H.E.J., latest by 10.30 a.m. on 23-05-2011. The tenders will be opened in Purchase Office of the Center at 11.00 a.m. on the same day in presence of the bidders or their representatives. The Procuring Agency may reject all or any bid subject to the relevant provision of SPP rules.

LIST OF CHEMICALS

PROF. DR. KHALID M. KHAN

(LAB. NO. HEJ-315, INTERCOM NO. 151)

S.No.	Name of Chemical	Quantity required
1.	3-Chlorocoumarin	1 g
2.	6-Chloro-4-hydroxycoumarin	5 g
3.	6-Fluoro-4-hydroxycoumarin	5 g
4.	4-Hydroxy-3-nitrocoumarin	10 g
5.	3-Hydroxycoumarin	5 g
6.	6-Hydroxycoumarin	5 g
7.	Umbelliferone	25 g
8.	6-Bromo-4-chloro-3-formylcoumarin	5 g
9.	Coumarin-3-carboxylic acid	100 g
10.	3-Chloro-7-hydroxy-4-methylcoumarin	1 g
11.	7-Hydroxy-4-methyl-8-nitrocoumarin	1 g
12.	4-Hydroxy-6-methylcoumarin	1 g
13.	4-Methylumbelliferone	25 g
14.	7-Methoxycoumarin	5 g
15.	7,8-Dihydroxy-4-methylcoumarin	1 g
16.	6-Bromo-3-cyano-4-methylcoumarin	1 g
17.	6-Fluoro-4-methylcoumarin-3-carbonitrile	1 g
18.	3-(Bromoacetyl)coumarin	25 g
19.	4-Chloro-3-formyl-6-methylcoumarin	5 g
20.	3-Cyano-4-methylcoumarin	1 g
21.	3-Cyano-7-hydroxy-4-methylcoumarin	5 g
22.	3-Acetylcoumarin	5 g
23.	8-Acetyl-7-hydroxycoumarin	1 g
24.	7-Hydroxycoumarinyl-4-acetic acid	5 g
25.	4-Bromomethyl-7-methoxycoumarin	1 g

26.	4-Hydroxy-6,7-dimethylcoumarin	5 g
27.	3-Cyano-4,6-dimethylcoumarin	1 g
28.	Ethyl 3-coumarincarboxylate	5 g
29.	7-Ethoxy-4-methylcoumarin	25 g
30.	7-Acetoxy-6-(2,3-dibromopropyl)-4,8-dimethylcoumarin	100 g
31.	3-(α -Acetonylbenzyl)-4-hydroxycoumarin sodium salt	10 g
32.	Oxalyldihydrazide 98%	25 g
33.	Cyanoacetohydrazide 98%	25 g
34.	Succinic dihydrazide 96%	25 g
35.	4-Chlorobenzhydrazide	25 g
36.	2-Aminobenzhydrazide 97%	50 g
37.	4-Aminobenzoic hydrazide 95%	10 g
38.	Phenylacetic hydrazide 98%	25 g
39.	3-Hydroxy-2-naphthoic hydrazide $\geq 98.0\%$	25 g
40.	4- <i>tert</i> -Butylbenzoic hydrazide 97%	25 g
41.	Pentafluorophenylhydrazine 97%	10 g
42.	2-Nitrophenylhydrazine 97%	10 g
43.	4-Nitrophenylhydrazine 97%	25 g
44.	4-(Trifluoromethyl)phenylhydrazine 96%	5 g
45.	4-Hydrazinobenzoic acid 97%	25 g
46.	4-Methyl-5-imidazolecarboxaldehyde 99%	5 g
47.	1-(3-Aminopropyl)imidazole 98%	50 g
48.	Ethyl 4-methyl-5-imidazolecarboxylate 98%	10 g
49.	2-Ethyl-4-methyl-1 <i>H</i> -imidazole-1-propanenitrile 85%	25 g
50.	5-(3-Pyridyl)-1,3,4-oxadiazole-2-thiol 97%	5 g
51.	5-(4-Chlorophenyl)-1,3,4-oxadiazole-2-thiol 97%	5 g
52.	2-Amino-5-(2-chlorophenyl)-1,3,4-oxadiazole 97%	10 g
53.	2-Amino-5-(4-chlorophenyl)-1,3,4-oxadiazole 95%	10 g
54.	5-Phenyl-1,3,4-oxadiazole-2-thiol 97%	25 g

55.	2-Amino-5-(4-nitrophenyl)-1,3,4-oxadiazole 97%	10 g
56.	2-Amino-5-phenyl-1,3,4-oxadiazole 97%	5 g
57.	5-(4-Aminophenyl)-1,3,4-oxadiazole-2-thiol 97%	5 g
58.	Benzenesulfonyl hydrazide technical, $\geq 90\%$ (NT) %	100 g
59.	2-Amino-5-nitrothiazole 97%	25 g
60.	3-Aminorhodanine 99%	10 g
61.	2-Amino-4-methylthiazole 98%	25 g
62.	2-Amino-5-methylthiazole 98%	25 g
63.	2-Amino-4-thiazoleacetic acid 95%	25 g
64.	2-Mercapto-4-methyl-5-thiazoleacetic acid 98%	10 g
65.	Ethyl 2-aminothiazole-4-acetate purum, $\geq 96.0\%$ (HPLC)	100 g
66.	<i>p</i> -Acetoxybenzoic Acid	25 g
67.	3-Amino-4-chlorobenzoic Acid	25 g
68.	2-Amino-4,5-dimethoxybenzoic Acid	25 g
69.	2-Amino-5-hydroxybenzoic Acid	25 g
70.	4-Amino-3-hydroxybenzoic Acid	25 g
71.	2-Amino-3-methylbenzoic Acid	25 g
72.	3-Amino-4-methylbenzoic Acid	25 g
73.	<i>p</i> -(Aminomethyl)benzoic Acid	25 g
74.	4-Amino-3-nitrobenzoic Acid	25 g
75.	4-Bromo-3,5-dihydroxybenzoic Acid	25 g
76.	3-Bromo-4-ethoxybenzoic Acid	25 g
77.	2-Bromo-4-fluorobenzoic Acid	25 g
78.	3-Bromo-4-hydroxybenzoic Acid	25 g
79.	<i>p</i> -Butoxybenzoic Acid	25 g
80.	<i>o</i> -Chlorobenzoic Acid	25 g
81.	<i>m</i> -Chlorobenzoic Acid	25 g
82.	3,5-Diaminobenzoic Acid	25 g
83.	3,5-Dibromo-4-hydroxybenzoic Acid	25 g
84.	3,5-Dibromo-4-methoxybenzoic Acid	25 g
85.	2-(4-Dibutylamino-2-hydroxybenzoyl)benzoic Acid	25 g

86.	2,4-Dichlorobenzoic Acid	25 g
87.	3,4-Dichlorobenzoic Acid	25 g
88.	2,5-Dichlorobenzoic Acid	25 g
89.	2,6-Dichlorobenzoic Acid	25 g
90.	3,5-Dichlorobenzoic Acid	25 g
91.	2,4-Dichloro-5-sulfamoylbenzoic Acid	25 g
92.	2,4-Difluorobenzoic Acid	25 g
93.	2,6-Difluorobenzoic Acid	25 g
94.	2,5-Dihydroxybenzoic Acid	25 g
95.	2,6-Dihydroxybenzoic Acid	25 g
96.	3,5-Dimethoxybenzoic Acid	25 g
97.	3,5-Dimethylbenzoic Acid	25 g
98.	2,2'-Dithiodibenzoic Acid	25 g
99.	<i>o</i> -Ethoxybenzoic Acid	25 g
100.	<i>m</i> -Fluorobenzoic Acid	25 g
101.	<i>o</i> -Fluorobenzoic Acid	25 g
102.	<i>p</i> -(Heptyloxy)benzoic Acid	25 g
103.	<i>p</i> -Aminobenzoic Acid	25 g
104.	Acetylsalicylic Acid	100 g
105.	<i>o</i> -Anisic Acid	25 g
106.	<i>p</i> -Anisic Acid	25 g
107.	<i>p</i> -Chlorobenzohydrazide	25 g
108.	<i>p</i> -Chlorophenyl Benzoate	25 g
109.	4-Chlorosalicylic Acid	25 g
110.	5-Chlorosalicylic Acid	500 g
111.	3,5-Dibromosalicylic Acid	100 g
112.	3,5-Dichloroanthranilic Acid	25 g
113.	3,5-Diiodosalicylic Acid	25 g
114.	Ethyl Benzoate	500 mL
115.	Ethyl <i>m</i> -(Chloromethyl)benzoate	25 g
116.	Ethyl <i>p</i> -(Chloromethyl)benzoate	25 g

117.	Ethyl p-Dimethylaminobenzoate	500 g
118.	2-Ethylhexyl Benzoate	100 g
119.	Methyl 4-Biphenylcarboxylate	500 g
120.	Methyl p-(Bromomethyl)benzoate	25 g
121.	Methyl 4-t-Butylbenzoate	25 g
122.	Methyl m-(Chloromethyl)benzoate	25 g
123.	Methyl p-(Hydroxymethyl)benzoate	25 g
124.	Methyl p-Isopropoxybenzoate	25 g
125.	Methyl N-Methylantranilate	25 mL
126.	Methyl o-Sulfamoylbenzoate	500 g
127.	Methyl m-(Trifluoromethyl)benzoate	25 g
128.	Methyl p-(Trifluoromethyl)benzoate	25 g
129.	Dimethyl Isophthalate	500 g
130.	Dimethyl Terephthalate	500 g
131.	Ethyl 6-Bromohexanoate	100 g
132.	Methyl 3-Bromopropionate	100g
133.	Methyl Pyruvate	500 mL
134.	Ethyl Chloroacetate	500 g
135.	Ethyl Cyanoacetate	500 g
136.	Methyl 4,4-Dimethyl-3-oxopentanoate	500 g
137.	Methyl Valerate	500 mL
138.	Hydrazine Hydrate	5 L
139.	Chrysin	25 g
140.	Quercetin	25 g
141.	9-Bromoacridine	25g
142.	6,9-Dichloro-2-methoxyacridine	25g
143.	9-Acridinecarboxylic acid hydrate	5g
144.	2-methyl 9-acridinecarboxaldehyde	25g
145.	1,3-Dihydroxy-9- acridine carboxylic acid	5g
146.	9-Hydroxy-4-methoxy acridine	5g