

NATIONAL CENTRE OF EXCELLENCE IN ANALYTICAL CHEMISTRY

University of Sindh, Jamshoro
Pakistan

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Monday 6th Nov 2008



TENDER DOCUMENT

Issued By:

Director

National Centre of Excellence In Analytical Chemistry,
University Of Sindh, Jamshoro – Pakistan

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NATIONAL CENTER OF EXCELLENCE IN ANALYTICAL CHEMISTRY

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List of Chemicals

<i>S.No</i>	<i>Name of Compound</i>	<i>Quantity</i>	<i>Catalogue No.</i>	<i>Company</i>
1	Sodium Carbonate (Na ₂ CO ₃)	500 g	106392	Merck
2	Ethyl Acetate	2.5L	34858-1L	Sigma-Aldr
3	Sodium Hydroxide	1kg	71691	Fluka
4	Rutin	5g*2	45300	Fluka
5	2,2'-diphenyl-1-picryl hydrozyl radical (DPPH)	5g*2	43170	Fluka
6	2,2'-azinobis(3-ethyl benzothiazoline-6- sulfonate (ABTS)	1g*2	11557	Fluka
7	Hydrochloric Acid	2.5L*2	30719	Fluka
8	6-hydroxy-2,5,7,8-tetra methyl-2-Carboxylic acid (Trolox)	25g	238813-25G	Sigma-Aldr
9	2,4,6-tri (2-pyridyl)-3- triazine (TPTZ)	5g*2	93285	Fluka
10	Sodium Acetate	250g*2	71180	Fluka
11	Acetic Acid	2.5L	33209	Fluka

12	Phosphate buffer (Ph=7)	500ml	319252-500ml	Sigma-Aldr
13	1-dodecanethiol	250ml	44130	Fluka
14	Trichloro acetic acid	100gm	91228	Fluka
15	Metaphosphoric acid	100gm	79645	Fluka
16	2,6-dichlorophenol	100g	D70201-100g	Sigma-Aldr
17	Horse radish peroxidase (HRPase)	50mg	77334	Fluka
18	Phenol red	100gm	32661	Fluka
19	Phosphate Buffer Silane	1L	79378	Fluka
20	Chloroform	2.5L	34854	Fluka
21	Diethyl Ether	2.5L*2	31670	Fluka
22	Propanol-2	2.5L	34959	Sigma-Aldr
23	Potassium Hydroxide	1Kg	60370	Fluka
24	Ethyl Acetate	2.5L	33211	Fluka
25	2-Iodophenol	25g	281409-25G	Sigma-Aldr
26	Hydrazine Hydrate	500ml	225819-500ml	Sigma-Aldr
27	Ethylene Glycol	1L	39907	Sigma-Aldr

28	Cholesterol	25gm	26732	Fluka
29	Sodium chloride	2Kg	71376	Fluka
30	Nujol, Mineral Oil	50 ml	14480	Alfa Aesar
31	Glassy carbon powder 0.4-12 micron	50 g	38008	Alfa Aesar
32	Graphite powder	28 g	40798	Alfa Aesar
33	Dimethylsulphoxide	500ml	41640	Fluka
34	Nikel Acetate tetrahydrate	250g	72225	Fluka
35	1,4-Butandiol	1 L	18960	Fluka

Standards

<i>S.No</i>	<i>Name of Compound</i>	<i>Quantity</i>	<i>Catalogue No.</i>	<i>Company</i>
01	Monoglyceride	100mg	178-8	Sigma
02	Diglyceride	100mg	178-9	Sigma
03	Triglycerides Mixture	100mg*5	178-10 to 178-18	Sigma
04	Diflunisal	5 gm	3281-54	Sigma

List of Glassware

S.#	Name	Size/Capacity	ST	Company name	Catalogue no.	Quantity
1.	Round bottom flask (Single neck)	25 ml	14/23	Precisco	0.600.025	06
		50 ml	19/26	Precisco	0.601.050	06
		100 ml	19/26	Precisco	0.601.100	06
		250 ml	29/32	Precisco	0.603.250	12
		500 ml	29/32	Precisco	0.603.500	12
		1000 ml	29/32	Precisco	0.603.001	12
		2000 ml	29/32	Precisco	0.603.002	06
		3000ml	29/32	Precisco	0.603.003	06
	4000ml	29/32	Precisco	0.603.004	06	
2.	Round bottom flask (Double neck)	25 ml	(Centre/Side neck) 14/23,14/23	Precisco	0.699.025	06
		50 ml	14/23 14/23	Precisco	0.699.050	06
		100 ml	14/23 14/23	Precisco	0.699.100	06
		250 ml	14/23 14/23	Precisco	0.699.250	12
		500ml	29/32 14/23	Precisco	0.703.500	12
		1000ml	29/32 14/23	Precisco	0.703.001	12
		2000ml	29/32 14/23	Precisco	0.703.002	06
3.	Round bottom flask (Three neck)	250 ml	24/29 14/23	Precisco	0.730.250	12
		500 ml	24/29 14/23	Precisco	0.730.500	12
		1000ml	24/29 14/23	Precisco	0.730.001	12
4.	Reduction adapters		14/23 10/19	Precisco	0.500.000	12
			24/29 14/23	Precisco	0.500.002	12
			29/32 24/29	Precisco	0.500.006	12
			29/32 19/26	Precisco	0.500.005	12
5.	Expansion adapters		14/23 19/26	Precisco	0.510.001	12
			24/29 29/32	Precisco	0.510.006	12
			19/26 29/32	Precisco	0.510.005	12
6.	Beakers	100 ml		Duran	5013024	12
		250 ml		Duran	5013036	12
		500ml		Duran	5013048	12
		1000 ml		Duran	5013054	12
		2000 ml		Duran	5013063	12

7.	Buckner funnel	For filter	plate	Height	Capacity	Haldenwanger		
		45mm	48mm	95mm	50ml	Haldenwanger	5252045	6
		70mm	74mm	140mm	135ml	Haldenwanger	5252070	6
		125mm	129mm	215mm	795ml	Haldenwanger	52520125	6
8.	Capillary tubes			75mm(size)	Vitrex			100pkts
9.	Condenser	250mm		24/29	Precisco	1.703.250	12	
		400mm		24/29	Precisco	1.703.400	12	
		250mm		29/32	Precisco	1.704.250	12	
		400mm		29/32	Precisco	1.704.400	12	
10.	Distillation head			14/23-14/23	Precisco	1.405.001	12	
				24/29-24/29	Precisco	1.405.005	12	
				29/32-19/26	Precisco	1.405.007	12	
	Distillation receiver (bent)			14/23-14/23	Precisco	1.906.014	12	
				24/29-24/29	Precisco	1.906.024	12	
				29/32-29/32	Precisco	1.906.029	12	
11.	Distillation receiver (straight)			14/23-14/23	Precisco	1.908.014	12	
				24/29-24/29	Precisco	1.908.024	12	
				29/32-29/32	Precisco	1.908.029	12	
12.	Dropping funnel	250mL		29/32	2,5	Duran	5012764	12
		500mL		29/32	4,0	Duran	5012765	12
		1000mL		29/32	4,0	Duran	5012766	12
13.	Drying tubes (bent at 75°C)			14/23		Duran	5012701	12
				29/32		Duran	5012703	12
14.	Erlenmeyer flasks	250 ml		24/29		Duran	5012006	12
		250ml		29/32		Duran	5012014	12
		500ml		24/29		Duran	5012008	12
		500ml		29/32		Duran	5012015	12
15.	Filtration flasks (Erlenmeyer shape)	250mL		35mm(neck diameter)		Duran	5051436	12
		500mL		34mm		Duran	5051444	12
		1000 ml		45mm		Duran	5051454	12
		2000 ml		60mm		Duran	5051455	12
16.	Fractionating column	250mm		24/29		Precisco	1.502.200	12
		500mm		24/29		Precisco	1.502.500	12
		500mm		29/32		Precisco	1.503.500	12
17.	Funnel	45mm (diameter)		80mm(height)		Duran	5251128	12
		80mm		140mm		Duran	5251141	12
		150mm		250mm		Duran	5251157	12
18.	Conical filter funnel	Disc dia	Cone	Funnel dia	Porosity			06
		30mm	19/26	80	3			
		10mm	10/19	30	3			
19.	Sintered glass funnel (pyrex)	Diameter 30mm		Porosity 3				06
20.	Heating mantle (with stirrer)	500ml				Kleinfled	5643125	6
		1000ml				Kleinfled	5643126	6
21.	Hot plate with magnetic					Gallenhamp		06

	stirrer					
22.	Iron stand					50
23.	Magnetic stirrer bar (rod shape)	5mm(length)	2mm(diameter)	Bola	5197503	12
		10mm	3mm	Bola	5197507	12
		15mm	4,5mm	Bola	5197514	12
24.	Magnetic stirrer bar (oval shape)	25mm(length)	12mm(OD)	Witeg	7.214.002	12
25.	Measuring cylinder	5ml		Blaubrand	5274105	12
		10ml		Blaubrand	5274108	12
		25ml		Blaubrand	5274120	12
		50ml		Blaubrand	5274128	12
		100ml		Blaubrand	5274138	12
26.	Micro pipette (adjustable volume)	1-100 μ l		Gilson (France)		02
		10-100 μ l(volume)	100/300 μ l(for tips)	Eppendorf	5283298	02
		100-1000 μ l	1000 μ l	Eppendorf	5283300	02
27.	Petri dish (in pairs)	35 \times 10(size)		Omnilab	5408035	12
		60 \times 15		Omnilab	5408040	12
		94 \times 16		Omnilab	5408045	12
28.	Pipette filler (standard)			Omnilab	5273836	50
	universal for almost all pipettes			Omnilab	5273837	50
29.	Pipette pumps	0,2ml		Witeg	7.032.001	50
		2ml		Witeg	7.032.002	50
		10ml		Witeg	7.032.003	50
		25ml		Witeg	7.032.004	50
30.	Pipette	1ml		Blaubrand	5272106	12
		2ml		Blaubrand	5272109	12
		5ml		Blaubrand	5272111	12
		10ml		Blaubrand	5272113	12
		25ml		Blaubrand	5272115	12
31.	Quantitative filter papers		70mm(size)	Advantec		100pkts
			125mm	Advantec		100pkts
32.	Sampl vials with crimped tops	1ml	11,50 \times 32,5	Omnilab	5003421	12
		10ml	20,50 \times 54,5	Omnilab	5003426	12
		20ml	23,00 \times 75,5	Omnilab	5003431	12
33.	Head Space Standard vials	6ml	22 \times 38(size)	Omnilab	5003574	12
		20ml	22,6 \times 75	Omnilab	5003576	12
34.	Thermometer	0-150		Omnilab	5235315	12
		0-360		Omnilab	5235336	12
35.	Thermometer	0-100		Omnilab	5235510	12
		0-360		Omnilab	5235536	12
36.	Thermometer (Quick fit)	0-150		Omnilab	5240017	12
		0-360		Omnilab	5240029	12

37.	Vacuum desiccators	Outer OD	Inside OD	height	Hei.above plate			12
		171mm	149mm	206mm	122mm	Kleinfeld	5042671	06
		230mm	197mm	260mm	157mm	Kleinfeld	5042672	06
		273mm	240mm	311mm	199mm	Kleinfeld	5042673	06
38.	Separating funnel	50ml		19/26(socket)		Duran	5203454	12
		100 ml		19/26		Duran	5203453	12
		250 ml		29/32		Duran	5203455	12
		500ml		29/32		Duran	5203456	12
		1000ml		29/32		Duran	5203457	12
39.	Dean Stark Assembly	Complete with measuring tube 25ml=0.2ml		29/32(cone/socket)		Witeg	2.890.004	3
40.	Mortars with pestle	10ml		50mm (O.D)	40mm (I.D)	Witeg	5.720.101	06
		100ml		125mm	105mm	Witeg	5.720.104	06
41.	Rubber stoppers	24/19mm (dia)		25mm (length)		Witeg	9.303.006	100
42.	ST stoppers			14/23		Witeg	0.300.014	50
				19/26		Witeg	0.300.019	50
				24/29		Witeg	0.300.024	50
				29/32		Witeg	0.300.029	50
43.	Dropping Pipette (droppers) Without bulb			7/8×80mm(dia.×L)		Witeg	9.900.801	100
44.	Dropping Pipette (droppers) With rubber teat			---		Witeg	9.900.802	100
45.	Flasks pear shaped centered or rotary flask)	100ml		60mm (O.D)		Witeg	0.655.100	06
		250ml		81mm		Witeg	0.655.250	06
		1000ml				Witeg	0.655.001	06
46.	Glass rods							12
47.	Glass wool	100g×5				Witeg	1.541.000	50pkts
48.	pH Papers					Merck		100pkts

TERMS & CONDITIONS:

1. The received tenders will be opened by the Tender opening committee before the related person/ agents of firms on said date up to 3: 00 P. M.
2. That due to non receipt of the tenders on 6th November 2008. The tender will be recovered on 10th November 2008 and lastly on 13th November 2008 up to 1: 00 P. M which will be opened on the same day at 3: 00 P. M before the contractor or authorized person.
3. The offer must remain valid for acceptance for 120 days from the date of opening the succeeded tender.
4. The tender so approved, the successful contractor shall be bound to supply the requisite items in the specified time; otherwise the related material will be purchased after completion of the legal proceeding at the risk and cost of the failure.
5. The conditioned tender or accompanying the cross cheque or without accompanying the Bank call deposit or Demand draft on A/c of the earnest money will not be entertained before the tenders opening committee.
6. The contractor shall be bound to abide the rules and regulation of PPRA along with the specified terms and conditions or directions of the related higher authorities as well as decision of the tenders opening committee. The announcement letter of successful bidders with justification for acceptance or rejection will be affixed up to 10 days on the center's notice board. The tenders opening committee having reserve the rights to accept of any tender or reject of all tenders without assigning any reason whereof.

All payments will be accepted in the form of demand draft in favour of Director, National Center of Excellence in Analytical Chemistry, Jamshoro.

DIRECTOR