

Chemicals for Wastewater National Laboratory - Ministry of Municipalities Iraq

Annex A

N.B : All the reagents are ANR and should be supplied by one of the following manufacturers or equivalent

1- Merck 2- BDH 3- Sigma

SN	Item Specification	Unit	Quantity	Unit Price US\$	Total Cost US\$	Country of Origin
1	Ammonium Chloride (NH ₄ Cl) analar	250g	12			
2	Acetic acid (Glacial) CH ₃ COOH 99.7%Analar	2.5L	5			
3	Activated carbon (Activated charcoal).	500g	6			
4	Ammonium acetate (NH ₄ C ₂ H ₃ O ₂) Analar	50g	8			
5	Di Basic Ammonium citrate (NH ₄) ₂ C ₆ H ₅ O ₇ Analar	500g	4			
6	Ammonium Hydroxide(NH ₄ OH) 25%NH ₃ Analar	2.5L	5			
7	Ammonium molybdate(NH ₄) ₆ Mo ₇ O ₂₄ .4H ₂ O analar	250g	10			
8	Aluminum Sulphate Al ₂ (SO ₄) ₃ . 18H ₂ O	500g	5			
9	Ammonium meta vanadate (NH ₄ VO ₃) Analar	250g	8			
10	Buffer tabletes for standardization of PH- meter NO 4	pack of 10	10			
11	Buffer tabletes for standardization of PH –meter NO 7	pack of 10	10			
12	Buffer tabletes for standardization of PH –meter NO 10	pack of 10	10			
13	Barium chloride BaCl ₂ .2H ₂ O analar	500g	10			
14	Brucine sulphate (C ₂₃ H ₂₆ N ₂ O ₄) ₂ .H ₂ SO ₄ .7H ₂ O analar	250g	2			
15	Boric acid H ₃ Bo ₃ Analar	500g	10			
16	Calcium chloride anhydrous CaCl ₂ Analar	250g	4			
17	Cadmium chloride CdCl ₂ Analar	250g	4			
18	Cadmium standard solution for Atomic spectroscopy 1000P.P.M analar	500 ml	3			
19	Carbon tetrachloride (CCL ₄) Analar	2.5L	4			
20	Citric acid (H ₃ C ₆ H ₅ O ₇ :H ₂ O) Analar	250g	2			
21	Copper standard solution for atomic spectroscopy 1000P.P.M analar	500 ml	3			
22	Carbon disulfide(CS ₂) Analar	500 ml	3			
23	Chromium standard solution for atomic spectroscopy 1000P.P.M analar	500 ml	3			
24	Calcium carbonat (CaCO ₃) Analar	500g	2			

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25	1.5 diphenyl carbohydrazide (C ₆ H ₅ . NH. NH) ₂ Co analar	100g	3			
26	Erochrom black T for water hardness determination analar	250g	2			
27	Ethylene diamine Tetra acetic disodium salt analar (CH ₂ .N(CH ₂ .COOH). CH ₂ . COONa) ₂ . 2H ₂ O	500g	2			
28	Ferric chloride FeCl ₃ . 6H ₂ O analar	250g	2			
29	Ferrous ammonium sulphate analar	500g	8			
30	Ferrous sulphate (FeSO ₄ 7H ₂ O)analar	250g	10			
31	Glucose O.(CH. OH) ₄ .CH CH ₂ OH analar	250g	2			
32	Glutamic acid NH ₂ CH(COOH).CH ₂ CH ₂ COOH	250g	2			
33	Hydrochloric acid aristar HCL 37%	2.5L	5			
34	Hydrochloric acid concentrated 36.46% analar	2.5L	6			
35	Hydroxyl ammonium chloride analar	500g	2			
36	Iodine I analar	250g	3			
37	Iron standard solution for atomic spectroscopy 1000P.P.M	500 ml	3			
38	Lead nitrate pb (NO ₃) ₂ Analar	250g	4			
39	Lead standard solution for atomic spectroscopy 1000P.P.M analar	500 ml	3			
40	Magnesium sulphate MgSO ₄ . 7H ₂ O analar	250g	6			
41	Mercuric sulphate HgSO ₄	250g	2			
42	Methyl red PH- indicator	50g	10			
43	Methyl Orange PH-indicator	250g	2			
44	Mercuric chloride HgCl ₂ Analar	250g	2			
45	Methanol special quality (solvent) 99.5% CH ₃ OH analar	2.5L	6			
46	Magnesium chloride hexa hydrate MgCl ₂ . 6H ₂ O	500g	2			
47	Murexide (ammonium purpurate) C ₈ H ₄ N ₅ O ₆ . NH ₄	100g	1			
48	Mercuric standard solution for atomic spectroscopy 1000P.P.M analar	500 ml	3			
49	1-naphthyl amine C ₁₀ H ₇ NH ₂ Analar	250g	6			
50	Nickel standard Solution ,1000 p.p.m (analar)	500 ml	3			
51	Nitric acid aristar HNO ₃ 69%	1L	2			
52	Potassium dihydrogen phosphate anhydrous	500g	10			
53	Dipotassium hydrogen phosphate anhydrous	500g	10			

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SN	Item Specification	Unit	Quantity	Unit Price US\$	Total Cost US\$	Country of Origin
54	Potassium iodide (KI) analar	250g	8			
55	Potassium dichromate $K_2Cr_2O_7$ Analar	250g	8			
56	Potassium chromate K_2CrO_4 Analar	250g	10			
57	1.10 phenanthroline monohydrate Analar	25g	3			
58	Potassium chloride (KCL) analar	250g	4			
59	Potassium nitrate (KNO_3) Analar	250g	6			
60	Potassium permanganate $KmnO_4$ Analar	250g	2			
61	Potassium cyanide (KCN) analar	250g	2			
62	Potassium dichromate convol 0.5N $K_2Cr_2O_7$	Pack of 6	5			
63	Potassium acid phthalat ($COOHC_6H_4COOK$)	250g	2			
64	Phenol phthalein(soild) PH indicator ($C_{20}H_{14}O_4$)	50g	5			
65	Phosphate standard solution for atomic spectroscopy 1000P.P.M analar	500 ml	3			
66	Disodium hydrogen phosphate hepta hydrate $Na_2HPO_4 \cdot 7H_2O$ analar	250g	2			
67	Sodium hydroxide pellets($NaOH$)analar	500g	20			
68	Sodium hydroxide convo1.0 N analar	Pack of 6	2			
69	Sodium azide (NaN_3) Analar	250g	3			
70	Sodium Bicarbonate $NaHCO_3$ (Analar)	250g	4			
71	Salicylic Acid Analar $C_6H_4OH \cdot COOH$	500g	2			
72	Sodium thiosulphate($Na_2S_2O_3 \cdot 5H_2O$) analar	500g	2			
73	Sodium thiosulphate convo10.5 N	Pack of 6	4			
74	Sodium arsenite ($NaAsO_2$) Analar	100g	2			
75	Sodium pyrophosphate ($Na_4P_2O_7 \cdot 10H_2O$) Analar	250g	2			
76	Sodium acetate ($NaC_2H_3O_2 \cdot 3H_2O$) Analar	250g	8			
77	Sodium sulphite (Na_2SO_3)Analar anhydrous	500g	1			
78	Sodium potassium tartrate $Na K(C_4H_4O_6 \cdot 4H_2O)$ Analar	250g	3			
79	Sodium chloride $NaCl$ analar	500g	3			
80	Sulfuric acid conc. (H_2SO_4)98% analar	2.5L	20			
81	Starch soluble extra pure analar	500g	2			
82	Sodium carbonate – 10 Hydrate ($Na_2 CO_3 \cdot 10H_2O$)	100g	10			

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SN	Item Specification	Unit	Quantity	Unit Price US\$	Total Cost US\$	Country of Origin
83	Sulphamic acid analar (NH ₂ .SO ₃ H)	500g	2			
84	Sodium Nitrite (NaNO ₂) Analar	250g	2			
85	Silver nitrate AgNO ₃ Analar	500g	1			
86	Sulphanillic acid (NH ₂ C ₆ H ₄ SO ₃ H) analar	100g	6			
87	Zinc standard solution for atomic spectroscopy 1000P.P.M analar	500 ml	2			
88	Tartaric Acid C ₄ H ₆ O ₆ (Analar)	250g	4		..	

89	Packing, Freight and Insurance Charges upto Baghdad/Iraq	..
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Freight and insurance costs should be quoted separately from the prices

GRAND TOTALS \$..
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GRAND TOTAL In Words USD

*Local agent or representative in Iraq who will handel , local support and after-sale services
(please indicate full name and address):*

Name:

Address, Phone & Fax:

Terms and Conditions

Offer Reference
Offer Date
Validity
Delivery

Supplier Name:

Signature:

Date:

Supplier Stamp