Administrația Națională "Apele Române"
Administrația Bazinală de Apă Someș-Tisa
Laboratorul Regional de Calitatea Apelor Cluj

LOT 1 REACTIVI CHIMICI

Nr. Crt	Denumire	Caracteristici	Cantitate	Necesar					
				CJ	BN	SJ	MM	SM	Total
1	Acetat de sodiu anhidru pa					1			1
2	Acetona	≥99%	1000 ml				1	1	2
3	Acetonă pentru cromatografia de gaze	puritate min 99,8 %, reziduu la evaporare max 0,0001 %, lindan (GC-ECD) max 3 pg/ml, for GC residue analysis	2500ml	3					3
4	Acid acetic glacial	d=1.05 g/ml			2		2		4
5	Acid ascorbic	L(+)Ascorbic acid (vitamin C) GR For analysis, ACS,ISO; continut 99.7 - 100.5%, cristale albe, Fe ≤ 2 ppm, Cl ≤ 50 ppm, SO4 ≤ 20 ppm	250g	1			1		2
6	Acid azotic 65%	Cr max. 0,020 ppm; Cu max. 0,010 ppm; Pb max. 0,010 ppm; Cd max. 0,010 ppm	2500 ml				1		1
7	Acid boric	Continut: 99,5-100,5%; Cl <0,0003%; PO4 < 0,0005%; SO4< 0,0005%; (Pb) ≤ 0.0005%, Ca ≤ 0.002%, Fe ≤ 0.0001%, Pb ≤ 0.001%	500 g			1	1		2
8	Acid clorhidric 34-37% max 0,1 ppb Hg	continut: 34-37%; Hg<0,1 ppb;	1000 ml				1	1	2
9	Acid clorhidric 37%	Conc. min 35-38% ≥99%	2500 ml		1	1	1		3
10	Acid clorhidric 0,1 N	c(HCl) = 0,1 mol/l	1000 ml				1		1

11	Acid clorhidric 1N	Titrisol, pentru analiza, spec. density 1,02 g/ml; pH value <1,0(H_2O, 20°C); volumetric solution in accordance with Ph Eur, USP; certified value traceable to NIST	1000 ml				1		1
12	Acid fosforic concentrat	ortho-Phosphoric acid 85% GR for analysis ISO, GR for analysis ISO, continut: >85%; Mn <0,5ppm; NO3 <3 ppm	1000 ml				1		1
13	Acid glutamic	for biochemistry ,≥99%,crtstalline powder white	250g			1	1	1	3
14	Acid nicotinic	≥99.5% (HPLC)	100 ml			1			1
15	Acid sulfuric conc.	Conc.: 95-98%	2500 ml	4	2	2	1	2	11
16	Alcool etilic	≥99%	1000 ml		2	1	5	2	10
17	Alcool izopropilic	≥99%	1000 ml	1	1		1	1	4
18	Aliltiouree (ATU)		50g		1	1		1	3
19	Amoniac, soluție 25%	GR for analysis, solutie 25%	1000 ml					1	1
20	Apa oxigenata 30%		Kg				1		1
21	Apă pentru LC-MS	calitate Chromasolv LC-MS Ultra, pentru analiza LC-MS si UHPLC	2000 ml	10					10
22	Azida de sodiu	≥99%	100 g	1			1		2
23	Azotat de argint 0.1 N	solution for 1000ml, c(AgNO3)=0,1 mol/l(0,1 N), Titrisol, density: 1,01 g/cm3(200C), solub. in water	fiola		1		1		2
24	Azotat de magneziu, modific	modificator pentru AAS, c(Mg)=10±0,2g/l, Mg(NO3)2*6H2O in 17%HNO3	50ml				1		1
25	Azotat de palladiu, modificat	modificator pentru AAS, c(Pd)=10±0,2g/l, Pd(NO3)2*6H2O in 15%HNO3	50ml				1		1
26	Azotat de potasiu	continut ≥ 99.0%, NO2 ≤ 0,001%, NH4	50 g	2					2
27	Azotit de sodiu	continut ≥ 99.0 %, Cl ≤ 0.005%, SO4 ≤	100 g		1			1	2
28	Acid stearic	for synthesis, pur > 97%	100 g	1			1		2
29	Camfor	ρ: 0,992 g/cm3 (250C), pur > 95%	250 g				1		1
30	Carbonat acid de sodiu	pur. 99,7 - 100,3%, PO4 max. 0,001%, Fe max 0,0005%	500 g			1	1		2

31	Carbonat de sodiu	for analysis ,Assay ≥99,9%	1000 g			1			1
32	Celuloza microcristalina		500 g				1		1
33	Citrat trisodic dihidrat	GR for analysis, continut: 99.0 - 101.0%, pH = 7.5 - 9.0, Cl ≤ 0.001%, C2O4 ≤ 0.03%, PO4 ≤ 0.002%, SO4 ≤ 0.004%, N ≤ 0,001%, Pb ≤ 0.0005%, Ca ≤ 0.005%, Fe ≤ 0.0005%, NH3 ≤ 0.003%, H2O ≤ 11.0 - 13.0%	1000 g	1				1	2
34	Cloramina T	min 99,0%	250 g				1		1
35	Cloroform	≥99%	2500 ml	1	1	1		1	4
36	Clorura de amoniu	≥99%	1000 g	1	1	1		1	4
37	Clorura de bariu	continut ≥ 99.0%, Ca ≤ 0.005%, Fe ≤ 0.0001%, K ≤ 0.0025%, insoluble matter max. 0,005%, ph: 5,2 - 8,2	Kg				1	1	2
38	Clorura de cesiu pa	for analysis, Assay (argentometric) min.99,5%	25g				1		1
39	Clorura de cobalt hexahidrat		100 g			1		1	2
40	Clorura de lantan	for analysis, Assay (complexometric) min.98 %	100g				1		1
41	Clorura de mangan	continut: 99-101%	Kg				1		1
42	Clorura de potasiu	≥99%	500 g	1		1	1		3
43	Clorura de sodiu	GR for analysis, continut: >99,5%; SO4 ≤0,001%; Ca ≤0,002%; Mg ≤0,001%	1000 g	1	1	1	1	1	5
44	clorura de sodiu solutie 0,1N		fiola		1				1
45	Cromat de potasiu	min 99,5%, Cl max. 0,001%	250g	1	1				2
46	Dicloroizocianurat de sodiu d	GR for analysis continut ≥ 98%	50g		1		1		2
47	Dicromat de potasiu		500g			1			1
48	EDTA	GR for analysis ACS, ISO, Reag. Ph Eur, puritate ≥99% by titration, Fe ≤ 5 ppm	250g	1	1	1	1	1	5
49	Eriocrom negru T (mordant negru 11)		25g	1				1	2
50	Fenol	GR for analysis, ACS,Reag. Ph Eur, continut(bromatometric): 99,5% - 100.5 %,	100g					1	1

51	Fenolftaleina solutie 1% in etanol		250 ml				1		1
52	Feroina		500 ml					1	1
53	Fosfat de amoniu, dihidroger	modificator pentru AAS, c: 100g/l(NH4H2PO4 -puritate 99,99%)in 1%HNO3	50ml				1		1
54	Fosfat disodic dihidrat		500 g			1			1
55	Fosfat monopotasic	min. 99%; N total max. 0,02%; Cloruri max. 0,002%; SO4 max. 0,01%; Metale grele(Pb) max. 0,02%; As max. 0,0002% Fe max. 0,003%	250 g			1			1
56	Glicerina pa	min 99,5%, SO4 max. 0,001%	L				1		1
57	Glicina	GR for analysis, continut: ≥ 99,7%; Cl ≤ 0.003%, SO4 ≤ 0.0025%, (Pb) ≤ 0.001%, Fe ≤ 0.0001%, PB ≤ 0.0001%, NH4 ≤ 0.002%, alti aminoacizi ≤ 0.1%	100g			1		1	2
58	Glucoza	D(+)-Glucose anhydrous for biochemistry Reag. Ph Eur	250g			1	1		2
59	Hartie indicator de pH: 0,5-13	GR for analysis, ACS,Reag. Ph Eur, puritate ≥ 99.0 %, materii insolubile ≤ 0.005 %	buc					1	1
60	Heptamolibdat de amoniu te	≥99%	250 g	1					1
61	Hexan(n-) cromatografie		2500 ml	20					20
62	n-hexan	puritate 96%	2500 ml		2	3	1	2	8
63	Hidrogen ftalat de potasiu	continut ≥ 99,5 %; pierdere la uscare (105 0C) ≤ 0,2 %; Cu ≤ 0,0002 %	250g			1	1		2
64	Hidroxid de sodiu	GR for analysis, continut ≥ 99.0%, Na2CO3 ≤ 1.0%, Cl ≤ 0.0005%, PO4 ≤ 0.0005, SiO2 ≤ 0.001%, SO4 ≤ 0.0005%, N ≤ 0.0003%, (Pb) ≤ 0.0005%, Al ≤ 0.0005%, As ≤ 0.0001%, Ca ≤ 0.0005%, Cu ≤ 0.0002%, Fe ≤ 0.0005%, K ≤ 0.05%, Mg ≤ 0.0005%, Ni ≤ 0.00025, Pb ≤ 0.0005%, Zn ≤ 0.001%	1000 g	2	2	1	2		7

65	Iodat de potasiu	for analysis, Assay (iodometric) 99,7	100 g			1		1	2
66	Iodura de potasiu	for analysis, continut: >99,5%; Cl <0,01%	500g				1	1	2
67	Kit Turb 355 IR	WTW TURB 355 IR			1				1
68	Kit consum chimic de oxigen	5-80	set				1	1	2
69	Kit consum chimic de oxigen	50-500	set				1	1	2
70	Kit pentru analiza cianurilor (min. 100 teste)	photometric determination, 0,002-0,500 mg/l	buc				1	1	2
71	kit pentru analiza sulfurilor	0.020 - 1.50 mg/l S2-				1	1		2
72	Metanol HPLC	puritate min 99,8 %, reziduu la evaporare max 3 mg/l, aciditate max 0,0002 meq/g, alcalinitate max 0,0002 meq/g, filtrat prin membrana cu diametrul porilor de max 0,2 µm	2500 ml	2					2
73	molibdat de amoniu heptahidrat		Kg			1			1
74	Murexid		10g	1				1	2
75	N-(1-Naftil)-etilendiamina diclorhidrat	≥99%	25 g				1		1
76	Nitrozo-pentacianoferat de sodiu	continut 99.0 - 102.0%, cloruri ≤ 0.02%, hexacianoferati (II) ≤ 0.02, hexacianoferati (III) ≤ 0.01%, sulfati ≤ 0.01%, pentru analiza amoniului	100 g				1		1
77	Pernute solutie tampon nutrienti BOD, 3l	nutrienti CBO5 pentru 3 litri apa de dilutie	cutie		1		1		2
78	Pernute solutie tampon nutrienti BOD, 6l	nutrienti CBO5 pentru 6 litri apa de dilutie	cutie		1		1	1	3
79	Peroxodisulfat de potasiu	GR for analysis continut ≥ 99.0%, Cl ≤ 0.001%, (Pb) ≤ 0.003%, Fe ≤ 0.001%, Mn ≤ 0.0001%	250g	1			1		2
80	Peroxodisulfat de potasiu fara N	continut ≥ 99.0%, N ≤ 0.001%, Cl ≤ 0.001%, (Pb) ≤ 0.001%, Fe ≤ 0.0005%, Mn ≤ 0.0001%	250g	1	1		1		3
81	Piridina	d-0,98 g/l	1000 ml					1	1
82	Rosu de metil		25 g					1	1

83	Salicilat de sodiu	continut ≥ 99.5%, Cl ≤ 0.002%, SO4 ≤ 0.01%, Pb ≤ 0.001%, Fe ≤ 0.0015, pentru determinarea amoniu si azotati	250g	1	1	1	1		4
84	solutie tampon pH HACH tehnic 4		500ml	1	1		1		3
85	solutie tampon pH HACH tehnic 7		500ml	1	1		1		3
86	solutie tampon pH HACH tehnic 10		500ml	1	1		1		3
87	solutie tampon pH WTW tehr	buffer solution pH WTW technical TPL 10, 250 ml	250ml			1	1		2
88	solutie tampon pH WTW tehr	buffer solution pH WTW technical TPL 4, 250 ml	250ml			1	1		2
89	solutie tampon pH WTW tehr	buffer solution pH WTW technical TPL 7, 250 ml	250ml			1	1		2
90	solutii electrolit 3M KCl, saturat cu AgCl, pH WTW 100 ml	WTW Inolab (730/740), density 1,13 g/cm3 (200C), boiling point 1000C, plastic bottle	100ml			1	1		2
91	solutii electrolit 3M KCl, saturata cu AgCl, Ph HACH 28ml		28ml				1		1
92	Sulfat de argint	GR for analysis, ACS, Assay (argentometric) min.98,5%	100g			1	1		2
93	Sulfat de cupru	GR for analysis ACS, ISO, Reag. Ph Eur, assay iodometric 99.0 - 100.5 %	500g		1		1		2
94	sulfat de fier II și amoniu	for analysis, Assay (manganometric) 99 - 101,5%	500g			1	1	1	3
95	sulfat de magneziu					1			1
96	Sulfat de mangan		1000 g			1		1	2
97	sulfat de mercur	GR for analysis,ACS, Assay (complexometric) ≥98 %	50 g	1	1				2
98	Sulfat de potasiu	≥99%	250 g			1			1
99	Sulfat de sodiu anhidru	min 99,0 %, GR for analysis, particle size 0,25 - 2 mm, ACS, ISO, ph: 5,2 - 8,0	500g			1	1		2
100	Sulfit de sodiu	min 99,0 %, GR for analysis, particle size 0,25 - 2 mm, ACS, ISO, ph: 5,2 - 8,0	Kg			1		1	2

102	tartrat de sodiu si potasiu	GR for analysis ACS, ISO, Reag. Ph Eur, assay (alkalimetric)99.0 - 102.0 %	1000 ml		1				1
103	Tiosulfat de sodiu solutie 0,1N, fiola pentru 1000 ml	solutie 0,1N, fiola pentru 1000 ml	fiola			2			2
104	Plicuri cu pulbere de ajustor de tărie ionică (ISA) pentru fluorură, pachet de 100						1		1
105	Verde de naftol B		25g					1	1

Sef laborator
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