

Analytical Reagent List



Kanto Reagents



-Contents-

1. pH Standard solution

2. Reagent for metal analysis (AAS, ICP)

- 2.1 1000mg/L Metal standard solution
- 2.2 100mg/L Metal standard solution
- 2.3 Multi-element standard solution
- 2.4 Acid / Alkali for metal analysis

3. Highly pure reagent

- 3.1 Ultrapur
- 3.2 Ultrapur-100
- 3.3 Primepure solvent
- 3.4 Primepure salt

4. Reagent for volumetric analysis

- 4.1 Reference material
- 4.2 Volumetric solution

5. Indicator

- 5.1 Indicator for titration
- 5.2 pH indicator

6. Reagent for Liquid Chromatography

- 6.1 Solvent for LC/MS
- 6.2 HLC-SOL (Solvent for HPLC)
- 6.3 Reagent for HPLC
- 6.4 Eluent for HPLC
- 6.5 Ion-pair reagent
- 6.6 Non-metal standard solution for Ion Chromatography
- 6.7 Non-metal multi-element standard solution for Ion Chromatography

7. Eluent

- 7.1 Anion eluent
- 7.2 Monovalent cation eluent
- 7.3 Divalent cation eluent
- 7.4 Eluent for suppression method

8. Reagent for Gas Chromatography

- 8.1 Esterification reagent (GC Derivatizing reagent)
- 8.2 Silylation reagent (GC Derivatizing reagent)

9. Silica gel for Column Chromatography

10. RoHS2-compliant reagent

1. pH Standard Solution

Product code	Product Name	Grade	Package
32797-08	Oxalate pH standard solution, pH 1.68	JCSS	500mL
32975-23	Phthalate pH standard solution, pH 4.008	JCSS	100mL
32798-08	Phthalate pH standard solution, pH 4.01	JCSS	500mL
32798-96	Phthalate pH standard solution, pH 4.01	JCSS	100mL×20
32798-97	Phthalate pH standard solution, pH 4.01	JCSS	2L
32799-08	Phosphate equimolal pH standard solution, pH 6.86	JCSS	500mL
32799-96	Phosphate equimolal pH standard solution, pH 6.86	JCSS	100mL×20
32799-97	Phosphate equimolal pH standard solution, pH 6.86	JCSS	2L
32976-23	Phosphate equimolal pH standard solution, pH 6.865	JCSS	100mL
32800-08	Phosphate pH standard solution, pH 7.41	JCSS	500mL
32801-08	Tetraborate pH standard solution, pH 9.18	JCSS	500mL
32801-96	Tetraborate pH standard solution, pH 9.18	JCSS	100mL×20
32801-97	Tetraborate pH standard solution, pH 9.18	JCSS	2L
32802-08	Carbonate pH standard solution, pH 10.01	JCSS	500mL

2. Reagent for Metal analysis (AAS, ICP)

2.1 1000mg/L Metal standard solution

Product code	Product Name	Grade	Package
37812-2B	Silver standard solution AgNO ₃ · HNO ₃ (0.5mol/L)Solution	JCSS	100mL
01783-1B	Aluminium standard solution Al · HNO ₃ (0.2mol/L)Solution	JCSS	250mL
01783-2B	Aluminium standard solution Al · HNO ₃ (0.2mol/L)Solution	JCSS	100mL
01178-1B	Arsenic standard solution As ₂ O ₃ · NH ₄ Cl(0.2%) · HCl Acid Solution	JCSS	100mL
17595-1B	Gold standard solution Au · HCl(1mol/L)Solution, trace HNO ₃	for atomic absorption spectrometry	100mL
04889-1B	Boron standard solution H ₃ BO ₃ water Solution	JCSS	100mL
04865-1B	Barium standard solution BaCO ₃ · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
04864-1B	Beryllium standard solution Be · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
04881-1B	Bismuth standard solution Bi · HNO ₃ (0.5mol/L)Solution	JCSS	100mL
07998-1B	Calcium standard solution 1 CaCO ₃ · HNO ₃ (0.1mol/L)Solution	JCSS	250mL
07998-2B	Calcium standard solution 1 CaCO ₃ · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
07993-1B	Cadmium standard solution Cd · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
08006-1B	Cerium standard solution Ce(NO ₃) ₃ · HNO ₃ (1mol/L)Solution	for atomic absorption spectrometry	100mL
08040-1B	Cobalt standard solution Co · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
08037-1B	Chromium standard solution 1 K ₂ Cr ₂ O ₇ · HNO ₃ (0.01mol/L)Solution	JCSS	250mL
08037-2B	Chromium standard solution 1 K ₂ Cr ₂ O ₇ · HNO ₃ (0.01mol/L)Solution	JCSS	100mL
08037-3B	Chromium standard solution 2 Cr(NO ₃) ₃ · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
08007-1B	Cesium standard solution CsCl Water Solution	JCSS	100mL
08046-1B	Copper standard solution Cu · HNO ₃ (0.1mol/L)Solution	JCSS	250mL

Product code	Product Name	Grade	Package
08046-2B	Copper standard solution Cu · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
11310-1B	Dysprosium standard solution Dy(NO ₃) ₃ · HNO ₃ · HCl(1mol/L)Solution	for atomic absorption spectrometry	100mL
14553-1B	Erbium standard solution Er(NO ₃) ₃ · HNO ₃ (1mol/L)Solution	for atomic absorption spectrometry	100mL
14576-1B	Europium standard solution Eu(NO ₃) ₃ · HNO ₃ (1mol/L)Solution	for atomic absorption spectrometry	100mL
20247-1B	Iron standard solution Fe · HNO ₃ (0.2mol/L)Solution	JCSS	250mL
20247-2B	Iron standard solution Fe · HNO ₃ (0.2mol/L)Solution	JCSS	100mL
17591-1B	Gallium standard solution Ga · HNO ₃ (0.2mol/L)Solution	JCSS	100mL
17590-1B	Gadolinium standard solution Gd(NO ₃) ₃ · HNO ₃ (1mol/L)Solution	for atomic absorption spectrometry	100mL
17592-1B	Germanium standard solution Ge · KOH(0.2mol/L)Solution	for atomic absorption spectrometry	100mL
18155-1B	Hafnium standard solution Hf · HNO ₃ (0.1mol/L)Solution	for atomic absorption spectrometry	100mL
25828-1B	Mercury standard solution HgCl ₂ · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
18612-1B	Holmium standard solution Ho(NO ₃) ₃ · HNO ₃ (1mol/L)Solution	for atomic absorption spectrometry	100mL
20241-1B	Indium standard solution In · HNO ₃ (0.2mol/L)Solution	JCSS	100mL
19604-1A	Iridium standard solution Ir·HCl(10~20%)Solution	for atomic absorption spectrometry	100mL
32832-1B	Potassium standard solution KCl Water Solution	JCSS	250mL
32832-2B	Potassium standard solution KCl Water Solution	JCSS	100mL
24237-1B	Lanthanum standard solution La(NO ₃) ₃ · HNO ₃ (1mol/L)Solution	for atomic absorption spectrometry	100mL
24245-1B	Lithium standard solution 1 Li ₂ CO ₃ · HNO ₃ (0.01mol/L)Solution	JCSS	100mL
24253-1B	Lutetium standard solution Lu(NO ₃) ₃ · HNO ₃ (1mol/L)Solution	for atomic absorption spectrometry	100mL
25840-1B	Magnesium standard solution 1 Mg · HNO ₃ (0.1mol/L)Solution	JCSS	250mL
25840-2B	Magnesium standard solution 1 Mg · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
25824-1B	Manganese standard solution Mn · HNO ₃ (0.1mol/L)Solution	JCSS	250mL
25824-2B	Manganese standard solution Mn · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
25883-1B	Molybdenum standard solution Mo · HCl(0.4mol/L), HNO ₃ (0.2mol/L)Solution	JCSS	100mL
37821-1B	Sodium standard solution NaCl Water Solution	JCSS	250mL
37821-2B	Sodium standard solution NaCl Water Solution	JCSS	100mL
28580-1B	Niobium standard solution Nb · HF(1mol/L)Solution	for atomic absorption spectrometry	100mL
28574-1B	Neodymium standard solution Nd(NO ₃) ₃ · HNO ₃ (1mol/L)Solution	for atomic absorption spectrometry	100mL
28577-1B	Nickel standard solution Ni · HNO ₃ (0.1mol/L)Solution	JCSS	250mL
28577-2B	Nickel standard solution Ni · HNO ₃ (0.1mol/L)Solution	JCSS	100mL

Product code	Product Name	Grade	Package
31043-1B	Osmium standard solution (NH ₄) ₂ OsCl ₆ · HCl(2.5mol/L)Solution	for atomic absorption spectrometry	100mL
32958-96	Phosphorus standard solution KH ₂ PO ₄ Water Solution	JCSS	100mL
24239-1B	Lead standard solution Pb · HNO ₃ (0.1mol/L)Solution	JCSS	250mL
24239-2B	Lead standard solution Pb · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
32788-1B	Palladium standard solution Pd · HNO ₃ (1mol/L)Solution	for atomic absorption spectrometry	100mL
32868-1B	Praseodymium standard solution Pr(NO ₃) ₃ · HNO ₃ (1mol/L)Solution	for atomic absorption spectrometry	100mL
32818-1B	Platinum standard solution Pt · HCl(1mol/L)Solution, trace HNO ₃	for atomic absorption spectrometry	100mL
36521-1B	Rubidium standard solution RbCl Water Solution	JCSS	100mL
36516-1B	Rhenium standard solution Re · HNO ₃ (0.1mol/L)Solution	for atomic absorption spectrometry	100mL
36518-1B	Rhodium standard solution RhCl ₃ · HCl(1mol/L)Solution	for atomic absorption spectrometry	100mL
19625-1A	Ruthenium standard solution Ru · HCl(10~20%)Solution	for atomic absorption spectrometry	100mL
37377-96	Sulfur standard solution H ₂ SO ₄ Water Solution	for ICP	100mL
01803-1B	Antimony standard solution Sb ₂ O ₃ · HCl(2.5mol/L)Solution	JCSS	100mL
37807-1B	Scandium standard solution Sc(NO ₃) ₃ · HNO ₃ (1mol/L)Solution	for atomic absorption spectrometry	100mL
37808-1B	Selenium standard solution Se · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
37040-1B	Silicon standard solution Si · KOH(0.1mol/L)Solution	JCSS	100mL
37806-1B	Samarium standard solution Sm(NO ₃) ₃ · HNO ₃ (1mol/L)Solution	for atomic absorption spectrometry	100mL
40879-1B	Tin standard solution Sn · HCl(2.5mol/L)Solution	JCSS	250mL
40879-2B	Tin standard solution Sn · HCl(2.5mol/L)Solution	JCSS	100mL
37876-1B	Strontium standard solution SrCO ₃ · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
48055-1B	Tantalum standard solution Ta · HF(1mol/L)Solution, trace HNO ₃	for atomic absorption spectrometry	100mL
40857-1B	Terbium standard solution Tb(NO ₃) ₃ · HNO ₃ (1mol/L)Solution	for atomic absorption spectrometry	100mL
40856-1B	Tellurium standard solution Te · HCl(1mol/L)Solution	JCSS	100mL
40882-1B	Titanium standard solution Ti · H ₂ SO ₄ (2mol/L)Solution	for atomic absorption spectrometry	100mL
40871-1B	Thallium standard solution TlNO ₃ · HNO ₃ (1mol/L)Solution	JCSS	100mL
40872-1B	Thulium standard solution Tm(NO ₃) ₃ · HNO ₃ (1mol/L)Solution	for atomic absorption spectrometry	100mL
44068-1B	Vanadium standard solution V · HCl(0.2mol/L),HNO ₃ (0.4mol/L)Solution	JCSS	100mL
40965-1B	Tungsten standard solution Na ₂ WO ₄ Water Solution	for atomic absorption spectrometry	100mL
47012-1B	Yttrium standard solution Y(NO ₃) ₃ · HNO ₃ (1mol/L)Solution	for atomic absorption spectrometry	100mL
47011-1B	Ytterbium standard solution Yb(NO ₃) ₃ · HNO ₃ (1mol/L)Solution	for atomic absorption spectrometry	100mL

Product code	Product Name	Grade	Package
48096-1B	Zinc standard solution Zn · HNO ₃ (0.1mol/L)Solution	JCSS	250mL
48096-2B	Zinc standard solution Zn · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
48003-1B	Zirconium standard solution Zr · H ₂ SO ₄ (0.3mol/L)Solution, trace HNO ₃ , HF	JCSS	100mL

2.2 100mg/L Metal standard solution

Product code	Product Name	Grade	Package
01177-1B	Arsenic standard solution As ₂ O ₃ · NH ₄ Cl(0.02%) · HCl Acid Solution	JCSS	100mL
04882-1B	Bismuth standard solution Bi · HNO ₃ (0.5mol/L)Solution	JCSS	100mL
07994-1B	Cadmium standard solution Cd · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
08041-1B	Cobalt standard solution Co · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
08038-1B	Chromium standard solution 1 K ₂ Cr ₂ O ₇ · HNO ₃ (0.01mol/L)Solution	JCSS	100mL
08047-1B	Copper standard solution Cu · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
20248-1B	Iron standard solution Fe · HNO ₃ (0.2mol/L)Solution	JCSS	100mL
25825-1B	Manganese standard solution Mn · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
28578-1B	Nickel standard solution Ni · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
24240-1B	Lead standard solution Pb · HNO ₃ (0.1mol/L)Solution	JCSS	100mL
01804-1B	Antimony standard solution Sb ₂ O ₃ · HCl(2.5mol/L)Solution	JCSS	100mL
48097-1B	Zinc standard solution Zn · HNO ₃ (0.1mol/L)Solution	JCSS	100mL

2.3 Multi-element standard solution

Product code	Product Name	Grade	Package
25875-96	Metals standard solution Cd: 5mg/L, As, Cr, Mn, Pb, Se: each 10mg/L, Al, B, Ca, Cu, Fe, Mg, Na, Zn: each 100mg/L in 0.1mol/L HNO ₃	JCSS	100mL
25937-23	Metals standard solution I Cd, Cr, Cu, Fe, Pb, Mn, Na, Zn: each 100mg/L in 0.1mol/L HNO ₃	for water quality analysis	100mL
25939-23	Metals standard solution III Cd: 8mg/L, Co, Cu, Fe, Pb, Mn, Ni, Zn: each 10mg/L in 0.1mol/L HNO ₃	for water quality analysis	100mL
25940-23	Metals standard solution IV Cr, V: each 10mg/L, Mo: 20mg/L in 0.1mol/L HNO ₃ , trace H ₂ SO ₄ , K	for water quality analysis	100mL
25941-23	Metals standard solution V Al, As, B, Cd, Cr, Cu, Mn, Pb, Se, Zn: each 100mg/L in 0.1mol/L HNO ₃	for water quality analysis	100mL
26013-23	Metals standard solution VI Sc, Tl, Y: each 100mg/L in 0.1mol/L HNO ₃	for water quality analysis	100mL
26014-23	Metals standard solution VII Al, B, Ca, Cd, Cr, V, Fe, Mg, Mn, Na, Pb, Zn: each 100mg/L in 0.1mol/L HNO ₃	for water quality analysis	100mL
26015-23	Metals standard solution VIII Be, Co, Ga, In, Tl, Y: each 100mg/L in 0.5mol/L HNO ₃	for water quality analysis	100mL
20277-23	ICP standard solution A Al, Bi, Ni, Pb: each 100mg/L in 1mol/L HNO ₃	for ICP	100mL
20278-23	ICP standard solution B B, Cd, Cr, Zn: each 100mg/L in 0.1mol/L HNO ₃	for ICP	100mL

Product code	Product Name	Grade	Package
20279-23	ICP standard solution C Co, Cu, Fe, Mn: each 100mg/L in 0.1mol/L HNO ₃	for ICP	100mL
20280-23	ICP standard solution D Ba,Ca,K,Mg,Na,Sr: each 100mg/L in 0.5mol/L HNO ₃ , trace HCl	for ICP	100mL
20260-23	ICP standard solution F Ce, Dy, Er, Eu, Gd, Ho, La, Lu, Nd, Pr, Sm, Sc, Tb, Tm, Yb, Y: each 10mg/L in 5% HNO ₃	for ICP	100mL
20261-23	ICP standard solution G Au, Hf, Ir, Pd, Pt, Rh, Ru, Sb, Sn, Te: each 10mg/L in 1% HNO ₃ , 10% HCl	for ICP	100mL
20262-23	ICP standard solution H Al, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cs, Cu, Fe, Ga, K, Li, Mg, Mn, Na, Ni, Rb, Pb, Se, Sr, V, Zn: each 10mg/L in 2% HNO ₃	for ICP	100mL
20263-23	ICP standard solution I Ce, Co, Li, Mg, Tl, Y: each 1mg/L in 2% HNO ₃	for ICP	100mL
20264-23	ICP standard solution J As, Cd, Pb: each 10mg/L, Hg: 50mg/L, Co, Ni, V: each 100mg/L in 5% HNO ₃	for ICP	100mL

2.4 Acid / Alkali for metal analysis

Product code	Product Name	Grade	Package
01021-09	Acetic acid	for metal analysis	500mL
01266-09	Ammonia solution	for metal analysis	500mL
18079-09	Hydrochloric acid	for metal analysis	500mL
28163-09	Nitric acid 1.38	for metal analysis	500mL
32059-09	Perchloric acid, 60%	for metal analysis	500mL
37390-09	Sulfuric acid	for metal analysis	500mL
28163-08	Nitric acid 1.38	for trace metal analysis	500mL
28161-08	Nitric acid 1.42	for trace metal analysis	500mL

3. Highly pure reagent

3.1 Ultrapur

Product code	Product Name	Grade	Package
01021-2B	Acetic Acid	Ultrapur	250mL
18078-1B	Hydrochloric Acid	Ultrapur	250mL
18084-2B	Hydrogen peroxide	Ultrapur	250mL
28163-1B	Nitric Acid 1.38	Ultrapur	250mL
32059-1B	Perchloric Acid, 60%	Ultrapur	250mL
37390-1B	Sulfuric Acid	Ultrapur	250mL
43001-1B	Ultrapure Water	Ultrapur	1L
01266-3B	Ammonia Solution	Ultrapur	250mL
32947-1B	Potassium Hydroxide Solution	Ultrapur	250mL
37960-1B	Sodium Hydroxide solution	Ultrapur	250mL

3.2 Ultrapur-100

Product code	Product Name	Grade	Package
18078-4B	Hydrochloric Acid	Ultrapur-100	500mL
28163-5B	Nitric Acid 1.42	Ultrapur-100	500mL
37390-4B	Sulfuric Acid	Ultrapur-100	500mL

3.3 Primepure solvent

Product code	Product Name	Grade	Package
01060-79	Acetone	Primepure(M,Org)	1L
01149-79	Acetonitrile	Primepure(M)	1L
01948-79	2-Acetoxy-1-methoxypropane	Primepure(M)	1L
25258-79	2-Butanone	Primepure(M)	1L
04349-79	Butyl acetate	Primepure(M)	1L
04418-79	tert-Butyl methyl ether	Primepure(M,Nvm)	1L
04418-76	tert-Butyl methyl ether	Primepure(M,Nvm)	3L

Product code	Product Name	Grade	Package
07278-79	Chloroform	Primepure(M,Nvm)	1L
07547-79	Cyclohexane	Primepure(M,Org)	1L
10158-79	Dichloromethane	Primepure(M)	1L
32463-79	Diisopropyl ether	Primepure(M)	1L
11720-79	N,N-Dimethylformamide	Primepure(M,Org)	1L
10425-79	1,4-Dioxane (1,4=p)	Primepure(M)	1L
14032-79	Ethanol	Primepure(M)	1L
14029-79	Ethyl acetate	Primepure(M,Nvm,Org)	1L
18635-79	Hexane	Primepure(M,Nvm)	1L
18512-79	Heptane	Primepure(M,Nvm)	1L
25202-79	Methanol	Primepure(M,Org)	1L
25202-78	Methanol	Primepure(M,Org)	3L
14127-79	2-Methoxyethanol	Primepure(M)	1L
25214-79	4-Methyl-2-pentanone	Primepure(M)	1L
07250-79	Monochlorobenzene	Primepure(M)	1L
32434-79	1-Propanol	Primepure(M,Org)	1L
32998-79	2-Propanol	Primepure(M)	1L
32485-79	Pyridine	Primepure(M,Org)	1L
40060-79	Tetrahydrofuran (stabilizer free)	Primepure(M)	1L
40180-79	Toluene	Primepure(M)	1L
31005-78	2,2,4-Trimethylpentane	Primepure(M)	1L

3.4 Primepure salt

Product code	Product Name	Grade	Package
37400-96	Sodium nitrate, 99.995%	Primepure (M)	50g
37505-96	Sodium chloride, 99.995%	Primepure (M)	50g
37939-96	Sodium sulfate, 99.995%	Primepure (M)	50g
37100-96	Sodium acetate, 99.995%	Primepure (M)	50g
37168-96	Sodium formate, 99.995%	Primepure (M)	50g
37169-96	Sodium iodide, 99.995%	Primepure (M)	50g
01300-96	Ammonium nitrate,99.9995%	Primepure (M)	50g
01321-96	Ammonium sulfate,99.9995%	Primepure (M)	50g
01299-96	Ammonium chloride, 99.9995%	Primepure (M)	50g
01267-96	Ammonium acetate, 99.999%	Primepure (M)	50g
01167-96	Ammonium formate, 99.9995%	Primepure (M)	50g
32678-96	Potassium chloride, 99.99%	Primepure (M)	50g
32387-96	Potassium nitrate, 99.99%	Primepure (M)	50g
32679-96	Potassium sulfate, 99.99%	Primepure (M)	50g
32877-96	Potassium acetate, 99.99%	Primepure (M)	50g
32878-96	Potassium formate, 99.95%	Primepure (M)	50g
32879-96	Potassium iodide, 99.99%	Primepure (M)	50g

4. Reagent for volumetric analysis

4.1 Reference material

Product code	Product Name	Grade	Package
37372-96	Amidosulfuric acid	JIS K 8005	50g
07441-96	Copper, turnings	JIS K 8005	50g
32334-96	Potassium dichromate	JIS K 8005	50g
32311-96	Potassium hydrogen phthalate	JIS K 8005	50g
32350-96	Potassium iodate	JIS K 8005	50g
37141-96	Sodium carbonate	JIS K 8005	50g
37144-96	Sodium chloride	JIS K 8005	50g
37227-96	Sodium oxalate	JIS K 8005	50g
48001-96	Zinc, drops	JIS K 8005	50g

4.2 Volumetric solution

Product code	Product Name	Grade	Package
01771-08	1mol/L Acetic acid (1N)	for volumetric titration	500mL
01772-08	0.1mol/L Acetic acid (N/10)	for volumetric titration	500mL
37878-08	0.1mol/L Amidosulfuric acid solution (N/10)	for volumetric titration	500mL
01793-08	1mol/L Ammonia solution (1N)	for volumetric titration	500mL
01793-89	1mol/L Ammonia solution (1N)	for volumetric titration	5L
01794-08	0.1mol/L Ammonia solution (N/10)	for volumetric titration	500mL
20249-08	0.25mol/L Ammonium iron(II) sulfate solution (N/4)		500mL
01801-08	0.1mol/L Ammonium thiocyanate solution (N/10)	for volumetric titration	500mL
04866-08	0.005mol/L Barium acetate solution (N/100), 2-propanolic	for volumetric titration	500mL
04892-08	0.05mol/L Bromine solution (N/10)		500mL
08063-08	0.1mol/L Cerium(IV) sulfate solution (N/10)	for volumetric titration	500mL
08122-08	0.1mol/L Cerium(IV) tetraammonium sulfate solution (N/10)	for volumetric titration	500mL
14579-08	0.25mol/L Disodium dihydrogen ethylenediamine tetraacetate solution	for volumetric titration	500mL
14567-08	0.2mol/L Disodium dihydrogen ethylenediamine tetraacetate solution	for volumetric titration	500mL
14568-08	0.1mol/L Disodium dihydrogen ethylenediamine tetraacetate solution	for volumetric titration	500mL
14569-08	0.05mol/L Disodium dihydrogen ethylenediamine tetraacetate solution	for volumetric titration	500mL
14580-08	0.025mol/L Disodium dihydrogen ethylenediamine tetraacetate solution	for volumetric titration	500mL
14570-08	0.01mol/L Disodium dihydrogen ethylenediamine tetraacetate solution	for volumetric titration	500mL
18641-08	Hydrochloric acid (1+1)		500mL
18588-08	6mol/L Hydrochloric acid (6N)	for volumetric titration	500mL
18589-08	5mol/L Hydrochloric acid (5N)	for volumetric titration	500mL
18590-08	2mol/L Hydrochloric acid (2N)	for volumetric titration	500mL
18591-08	1mol/L Hydrochloric acid (1N)	for volumetric titration	500mL
18591-79	1mol/L Hydrochloric acid (1N)	for volumetric titration	1L
18593-08	0.5mol/L Hydrochloric acid (N/2)	for volumetric titration	500mL
18593-76	0.5mol/L Hydrochloric acid (N/2)	for volumetric titration	3L
18623-08	0.5mol/L Hydrochloric acid (N/2), alcoholic		500mL
18594-08	0.2mol/L Hydrochloric acid (N/5)	for volumetric titration	500mL
18595-08	0.1mol/L Hydrochloric acid (N/10)	for volumetric titration	500mL
18595-79	0.1mol/L Hydrochloric acid (N/10)	for volumetric titration	1L
18595-76	0.1mol/L Hydrochloric acid (N/10)	for volumetric titration	3L
18596-08	0.1mol/L Hydrochloric acid (N/10), alcoholic		500mL
18597-08	0.1mol/L Hydrochloric acid (N/10), 2-propanolic		500mL
18598-08	0.05mol/L Hydrochloric acid (N/20)	for volumetric titration	500mL
18599-08	0.02mol/L Hydrochloric acid (N/50)	for volumetric titration	500mL
18600-08	0.01mol/L Hydrochloric acid (N/100)	for volumetric titration	500mL
20242-08	0.5mol/L Iodine solution (1N)	for volumetric titration	500mL
20243-08	0.05mol/L Iodine solution (N/10)	for volumetric titration	500mL
20244-08	0.01mol/L Iodine solution (N/50)	for volumetric titration	500mL
20245-08	0.005mol/L Iodine solution (N/100)	for volumetric titration	500mL
25889-08	0.05mol/L Magnesium chloride solution	for volumetric titration	500mL
25832-08	0.00705mol/L Mercury(II) nitrate solution (0.0141N)	for volumetric titration	500mL
28583-08	1mol/L Nitric acid (1N)	for volumetric titration	500mL
28584-08	0.1mol/L Nitric acid (N/10)	for volumetric titration	500mL
31536-08	0.5mol/L Oxalic acid solution (1N)	for volumetric titration	500mL
31537-08	0.05mol/L Oxalic acid solution (N/10)	for volumetric titration	500mL
31538-08	0.0125mol/L Oxalic acid solution (N/40)	for volumetric titration	500mL
32795-08	0.1mol/L Perchloric acid-acetic acid solution (N/10)	for nonaqueous titrimetry	500mL
32795-76	0.1mol/L Perchloric acid-acetic acid solution (N/10)	for nonaqueous titrimetry	3L
32814-08	0.5mol/L Phosphoric acid		500mL
32815-08	0.05mol/L Phosphoric acid		500mL
32834-08	1/60mol/L Potassium bromate solution (N/10)		500mL
32895-08	Potassium chloride saturated solution		500mL
32895-23	Potassium chloride saturated solution		100mL
32888-08	3.3mol/L Potassium chloride solution		500mL
32836-08	0.1mol/L Potassium chloride solution (N/10)	for volumetric titration	500mL
32837-08	0.02mol/L Potassium chloride solution (N/50)	for volumetric titration	500mL
32887-08	0.01mol/L Potassium chloride solution (N/100)	for volumetric titration	500mL

Product code	Product Name	Grade	Package
32838-08	1/30mol/L Potassium chromate solution (N/10)		500mL
32839-08	1/6mol/L Potassium dichromate solution (1N)	for volumetric titration	500mL
32841-08	1/30mol/L Potassium dichromate solution (N/5)	for volumetric titration	500mL
32842-08	1/60mol/L Potassium dichromate solution (N/10)	for volumetric titration	500mL
32845-08	8mol/L Potassium hydroxide solution (8N)	for volumetric titration	500mL
32846-08	1mol/L Potassium hydroxide solution (1N)	for volumetric titration	500mL
32846-76	1mol/L Potassium hydroxide solution (1N)	for volumetric titration	3L
32847-08	0.5mol/L Potassium hydroxide solution (N/2)	for volumetric titration	500mL
32847-76	0.5mol/L Potassium hydroxide solution (N/2)	for volumetric titration	3L
32849-08	0.1mol/L Potassium hydroxide solution (N/10)	for volumetric titration	500mL
32849-76	0.1mol/L Potassium hydroxide solution (N/10)	for volumetric titration	3L
32848-08	0.5mol/L Potassium hydroxide solution, alcoholic (N/2)	for volumetric titration	500mL
32848-76	0.5mol/L Potassium hydroxide solution, alcoholic (N/2)	for volumetric titration	3L
32850-08	0.1mol/L Potassium hydroxide solution, alcoholic (N/10)	for volumetric titration	500mL
32851-08	0.1mol/L Potassium hydroxide solution, methanolic (N/10)	for volumetric titration	500mL
32852-08	0.1mol/L Potassium hydroxide solution, 2-propanolic (N/10)	for volumetric titration	500mL
32856-08	0.1mol/L Potassium iodate solution		500mL
32854-08	0.05mol/L Potassium iodate solution		500mL
32926-08	1/40mol/L Potassium iodate solution		500mL
32853-08	1/60mol/L Potassium iodate solution		500mL
32855-08	1/240mol/L Potassium iodate solution		500mL
32857-08	0.1mol/L Potassium iodide solution (N/10)		500mL
32859-08	0.1mol/L Potassium permanganate solution (N/2)	for volumetric titration	500mL
32860-08	0.02mol/L Potassium permanganate solution (N/10)	for volumetric titration	500mL
32861-08	0.005mol/L Potassium permanganate solution (N/40)	for volumetric titration	500mL
32861-76	0.005mol/L Potassium permanganate solution (N/40)	for volumetric titration	3L
32950-84	0.005mol/L Potassium permanganate solution (N/40)	for volumetric titration	10L
32862-08	0.004mol/L Potassium permanganate solution (N/50)	for volumetric titration	500mL
32863-08	0.002mol/L Potassium permanganate solution (N/100)	for volumetric titration	500mL
32897-23	0.35mol/L Potassium sulfate solution		100mL
32865-08	1mol/L Potassium thiocyanate solution (1N)	for volumetric titration	500mL
32866-08	0.1mol/L Potassium thiocyanate solution (N/10)	for volumetric titration	500mL
37914-08	200g/L Silver nitrate solution		500mL
37914-76	200g/L Silver nitrate solution		3L
37813-08	1mol/L Silver nitrate solution (1N)	for volumetric titration	500mL
37814-08	0.1mol/L Silver nitrate solution (N/10)	for volumetric titration	500mL
37815-08	0.05mol/L Silver nitrate solution (N/20)	for volumetric titration	500mL
37890-08	0.0282mol/L Silver nitrate solution(0.0282N)	for volumetric titration	500mL
37816-08	0.02mol/L Silver nitrate solution (N/50)	for volumetric titration	500mL
37817-08	0.01mol/L Silver nitrate solution (N/100)	for volumetric titration	500mL
37817-76	0.01mol/L Silver nitrate solution (N/100)	for volumetric titration	3L
38004-08	0.1mol/L Sodium acetate-acetic acid solution	for nonaqueous titrimetry	500mL
37830-08	0.5mol/L Sodium carbonate solution (1N)	for volumetric titration	500mL
37831-08	0.25mol/L Sodium carbonate solution (N/2)	for volumetric titration	500mL
37832-08	0.05mol/L Sodium carbonate solution (N/10)	for volumetric titration	500mL
37833-08	0.01mol/L Sodium carbonate solution (N/50)	for volumetric titration	500mL
37926-08	1mol/L Sodium chloride solution (1N)	for volumetric titration	500mL
37834-08	0.1mol/L Sodium chloride solution (N/10)	for volumetric titration	500mL
37918-08	0.05mol/L Sodium chloride solution(N/20)	for volumetric titration	500mL
37835-08	0.02mol/L Sodium chloride solution (N/50)	for volumetric titration	500mL
37836-08	0.01mol/L Sodium chloride solution (N/100)	for volumetric titration	500mL
37843-08	0.1mol/L Sodium hydrogen carbonate solution (N/10)	for volumetric titration	500mL
37902-08	8mol/L Sodium hydroxide solution (8N)	for volumetric titration	500mL
37844-08	5mol/L Sodium hydroxide solution (5N)	for volumetric titration	500mL
37845-08	4mol/L Sodium hydroxide solution (4N)	for volumetric titration	500mL
37846-08	2mol/L Sodium hydroxide solution (2N)	for volumetric titration	500mL
37847-08	1mol/L Sodium hydroxide solution (1N)	for volumetric titration	500mL
37847-79	1mol/L Sodium hydroxide solution (1N)	for volumetric titration	1L
37848-08	0.5mol/L Sodium hydroxide solution (N/2)	for volumetric titration	500mL

Product code	Product Name	Grade	Package
37850-08	0.2mol/L Sodium hydroxide solution (N/5)	for volumetric titration	500mL
37851-08	0.1mol/L Sodium hydroxide solution (N/10)	for volumetric titration	500mL
37851-79	0.1mol/L Sodium hydroxide solution (N/10)	for volumetric titration	1L
37851-76	0.1mol/L Sodium hydroxide solution (N/10)	for volumetric titration	3L
37852-08	0.05mol/L Sodium hydroxide solution (N/20)	for volumetric titration	500mL
37853-08	0.02mol/L Sodium hydroxide solution (N/50)	for volumetric titration	500mL
37854-08	0.01mol/L Sodium hydroxide solution (N/100)	for volumetric titration	500mL
37859-23	1mol/L Sodium methoxide solution	for nonaqueous titrimetry	100mL
37860-08	0.25mol/L Sodium oxalate solution (N/2)	for volumetric titration	500mL
37861-08	0.125mol/L Sodium oxalate solution (N/4)	for volumetric titration	500mL
37862-08	0.05mol/L Sodium oxalate solution (N/10)	for volumetric titration	500mL
37863-08	0.0125mol/L Sodium oxalate solution (N/40)	for volumetric titration	500mL
37863-76	0.0125mol/L Sodium oxalate solution (N/40)	for volumetric titration	3L
37998-84	0.0125mol/L Sodium oxalate solution (N/40)	for volumetric titration	10L
37864-08	0.005mol/L Sodium oxalate solution (N/100)	for volumetric titration	500mL
37867-08	0.1mol/L Sodium thiocyanate solution (N/10)	for volumetric titration	500mL
37869-08	1mol/L Sodium thiosulfate solution (1N)	for volumetric titration	500mL
37894-08	0.5mol/L Sodium thiosulfate solution (N/2)	for volumetric titration	500mL
38107-76	0.2mol/L Sodium thiosulfate solution (N/5)	for volumetric titration	3L
37870-08	0.1mol/L Sodium thiosulfate solution (N/10)	for volumetric titration	500mL
37870-76	0.1mol/L Sodium thiosulfate solution (N/10)	for volumetric titration	3L
37868-08	0.05mol/L Sodium thiosulfate solution (N/20)	for volumetric titration	500mL
37871-08	0.025mol/L Sodium thiosulfate solution (N/40)	for volumetric titration	500mL
37872-08	0.02mol/L Sodium thiosulfate solution (N/50)	for volumetric titration	500mL
37873-08	0.01mol/L Sodium thiosulfate solution (N/100)	for volumetric titration	500mL
37893-08	Sulfuric acid (1+2)		500mL
37893-72	Sulfuric acid (1+2)		3L
37893-84	Sulfuric acid (1+2)		10L
37892-08	50g/L Sulfuric acid		500mL
37924-08	3mol/L Sulfuric acid (6N)	for volumetric titration	500mL
37927-08	2.5mol/L Sulfuric acid (5N)	for volumetric titration	500mL
37879-08	1mol/L Sulfuric acid (2N)	for volumetric titration	500mL
37879-76	1mol/L Sulfuric acid (2N)	for volumetric titration	3L
37880-08	0.5mol/L Sulfuric acid (1N)	for volumetric titration	500mL
37881-08	0.25mol/L Sulfuric acid (N/2)	for volumetric titration	500mL
37882-08	0.1mol/L Sulfuric acid (N/5)	for volumetric titration	500mL
37882-76	0.1mol/L Sulfuric acid (N/5)	for volumetric titration	3L
37883-08	0.05mol/L Sulfuric acid (N/10)	for volumetric titration	500mL
37884-08	0.025mol/L Sulfuric acid (N/20)	for volumetric titration	500mL
37885-08	0.01mol/L Sulfuric acid (N/50)	for volumetric titration	500mL
37886-08	0.005mol/L Sulfuric acid (N/100)	for volumetric titration	500mL
40858-23	0.1mol/L Tetra-n-butylammonium hydroxide solution (N/10), in benzene and methanol	for nonaqueous titrimetry	100mL
48108-08	0.2mol/L Zinc acetate solution	for volumetric titration	500mL
48098-08	0.1mol/L Zinc acetate solution	for volumetric titration	500mL
48107-08	0.05mol/L Zinc acetate solution	for volumetric titration	500mL
48099-08	0.01mol/L Zinc acetate solution	for volumetric titration	500mL
48100-08	0.1mol/L Zinc chloride solution	for volumetric titration	500mL
48105-08	0.01mol/L Zinc chloride solution	for volumetric titration	500mL
48140-08	0.1mol/L Zinc solution	for volumetric titration	500mL
48141-08	0.05mol/L Zinc solution	for volumetric titration	500mL
48142-08	0.01mol/L Zinc solution	for volumetric titration	500mL
48111-08	0.05mol/L Zinc sulfate solution	for volumetric titration	500mL

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5. Indicator

5.1 Indicator for titration

Product code	Product Name	pH range	Package
01799-08	Ammonium iron(III) sulfate solution		500mL
04895-08	Bromocresol green solution	pH 3.8(yellow) - 5.4(yellow)	500mL
04895-23	Bromocresol green solution	pH 3.8(yellow) - 5.4(yellow)	100mL
04897-08	Bromocresol green-methyl red solution	pH 5.0 (vermilion - purplish red - green)	500mL
04897-23	Bromocresol green-methyl red solution	pH 5.0 (vermilion - purplish red - green)	100mL
04900-08	Bromocresol purple solution	pH 5.2(yellow) - 6.8(purple)	500mL
04900-23	Bromocresol purple solution	pH 5.2(yellow) - 6.8(purple)	100mL
04911-08	Bromophenol blue solution	pH 3.0(yellow) - 4.6(bluish purple)	500mL
04911-23	Bromophenol blue solution	pH 3.0(yellow) - 4.6(bluish purple)	100mL
04913-24	Bromothymol blue-Neutral red solution		50mL
04915-08	Bromothymol blue solution	pH 6.0(yellow) - 7.6(blue)	500mL
04915-23	Bromothymol blue solution	pH 6.0(yellow) - 7.6(blue)	100mL
08052-23	Cresol red solution	pH 7.2(yellow) - 8.8(red)	100mL
25860-08	Methyl orange solution	pH 3.1(red) - 4.4(reddish yellow)	500mL
25860-23	Methyl orange solution	pH 3.1(red) - 4.4(reddish yellow)	100mL
25869-08	Methyl red solution	pH 4.2(red) - 6.2(yellow)	500mL
25869-23	Methyl red solution	pH 4.2(red) - 6.2(yellow)	100mL
25870-23	Methyl red-methylene blue solution	pH 5.4(purplish red - grey blue - green)	100mL
28587-23	p-Nitrophenol solution	pH 4.8(very pale yellow) - 7.6(yellow)	100mL
32805-08	1% Phenolphthalein solution	pH 7.8(colorless) - 10.0(vermilion)	500mL
32805-23	1% Phenolphthalein solution	pH 7.8(colorless) - 10.0(vermilion)	100mL
32806-08	0.1% Phenolphthalein solution	pH 7.8(colorless) - 10.0(vermilion)	500mL
32806-23	0.1% Phenolphthalein solution	pH 7.8(colorless) - 10.0(vermilion)	100mL
32809-08	Phenol red solution	pH 6.8(yellow) - 8.4(red)	500mL
32809-23	Phenol red solution	pH 6.8(yellow) - 8.4(red)	100mL
40875-23	Thymol blue solution	pH 1.2(red) - 2.8(yellow), 8.0(yellow)-9.6(blue)	100mL
40878-08	Thymolphthalein solution	pH 8.6(colorless) - 10.5(blue)	500mL
40878-23	Thymolphthalein solution	pH 8.6(colorless) - 10.5(blue)	100mL
43124-23	Uranine solution		100mL

5.2 pH indicator

Product code	Product Name	pH range	Package
04894-08	Bromocresol green solution	pH 3.8(yellow) - 5.4(blue)	500mL
04894-23	Bromocresol green solution	pH 3.8(yellow) - 5.4(blue)	100mL
04899-08	Bromocresol purple solution	pH 5.2(yellow) - 6.8(purple)	500mL
04899-23	Bromocresol purple solution	pH 5.2(yellow) - 6.8(purple)	100mL
04910-08	Bromophenol blue solution	pH 3.0(yellow) - 4.6(bluish purple)	500mL
04910-23	Bromophenol blue solution	pH 3.0(yellow) - 4.6(bluish purple)	100mL
04914-08	Bromothymol blue solution	pH 6.0(yellow) - 7.6(blue)	500mL
04914-23	Bromothymol blue solution	pH 6.0(yellow) - 7.6(blue)	100mL
08044-23	Congo red solution	pH 3.0(bluish purple) - 5.0(dark reddish orange)	100mL
08050-23	m-Cresol purple solution	pH 1.2(red) - 2.8(yellow), 7.4(yellow) - 9.0(purple)	100mL
08051-08	Cresol red solution	pH 7.2(yellow) - 8.8(red)	500mL
08051-23	Cresol red solution	pH 7.2(yellow) - 8.8(red)	100mL
20240-08	Indigo carmine solution	pH 11.6(blue) - 14.0(yellow)	500mL
20240-23	Indigo carmine solution	pH 11.6(blue) - 14.0(yellow)	100mL
25868-08	Methyl red solution	pH 4.2(blue) - 6.2(yellow)	500mL
25868-23	Methyl red solution	pH 4.2(blue) - 6.2(yellow)	100mL
28575-23	Neutral red solution	pH 6.8(red) - 8.0(yellow)	100mL
28586-23	p-Nitrophenol solution	pH 4.8(very pale yellow) - 7.6(yellow)	100mL
32804-08	Phenolphthalein solution	pH 7.8(colorless) - 10.0(vermilion)	500mL
32804-23	Phenolphthalein solution	pH 7.8(colorless) - 10.0(vermilion)	100mL
32808-08	Phenol red solution	pH 6.8(yellow) - 8.4(red)	500mL
32808-23	Phenol red solution	pH 6.8(yellow) - 8.4(red)	100mL
40874-08	Thymol blue solution	pH 1.2(red) - 2.8(yellow), 8.0(yellow) - 9.6(blue)	500mL
40874-23	Thymol blue solution	pH 1.2(red) - 2.8(yellow), 8.0(yellow) - 9.6(blue)	100mL

Product code	Product Name	pH range	Package
40877-08	Thymolphthalein solution	pH 8.6(colorless) - 10.5(blue)	500mL
40877-23	Thymolphthalein solution	pH 8.6(colorless) - 10.5(blue)	100mL

6. Reagent for Liquid Chromatography

6.1 Solvent for LC/MS

Product code	Product Name	Grade	Package
01033-23	Acetonitrile	for LC/MS	200mL
01033-79	Acetonitrile -Plus-	for LC/MS	1L
01033-76	Acetonitrile -Plus-	for LC/MS	3L
11307-23	Distilled water	for LC/MS	200mL
11307-79	Distilled water -Plus-	for LC/MS	1L
11307-76	Distilled water -Plus-	for LC/MS	3L
25185-23	Methanol	for LC/MS	200mL
25185-79	Methanol -Plus-	for LC/MS	1L
25185-76	Methanol -Plus-	for LC/MS	3L
32435-12	2-Propanol	for LC/MS	200mL
32435-79	2-Propanol -Plus-	for LC/MS	1L
32435-76	2-Propanol -Plus-	for LC/MS	3L

6.2 HLC-SOL (Solvent for HPLC)

Product code	Product Name	Grade	Package
01026-1B	Acetone	for HPLC	1L
01026-2B	Acetone	for HPLC	3L
01031-1B	Acetonitrile -Plus-	for HPLC	1L
01031-2B	Acetonitrile -Plus-	for HPLC	3L
01858-79	Acetonitrile -Plus-	for HPLC(for medicine analysis)	1L
01858-76	Acetonitrile -Plus-	for HPLC(for medicine analysis)	3L
01031-84	Acetonitrile	for preparative LC	3L×2
04084-1B	Benzene	for HPLC	1L
04354-1B	1-Butanol	for HPLC	1L
04418-1B	tert-Butyl methyl ether	for HPLC	1L
07278-1B	Chloroform	for HPLC	1L
07278-2B	Chloroform	for HPLC	3L
07547-1B	Cyclohexane	for HPLC	1L
07547-2B	Cyclohexane	for HPLC	3L
10149-1B	1,2-Dichloroethane	for HPLC	1L
10158-1B	Dichloromethane	for HPLC	1L
10158-2B	Dichloromethane	for HPLC	3L
10344-1B	N,N-Dimethylformamide	for HPLC	1L
10344-2B	N,N-Dimethylformamide	for HPLC	3L
10425-1B	1,4-Dioxane (1,4=p)	for HPLC	1L
11307-1B	Distilled water -Plus-	for HPLC	1L
11307-2B	Distilled water -Plus-	for HPLC	3L
14033-1B	Ethanol (99.5)	for HPLC	1L
14033-2B	Ethanol (99.5)	for HPLC	3L
14029-1B	Ethyl acetate	for HPLC	1L
14029-2B	Ethyl acetate	for HPLC	3L
18005-1B	Heptane (n-Heptane)	for HPLC	1L
18529-1B	1,1,1,3,3,3-Hexafluoro-2-propanol	for HPLC	100mL
18529-3B	1,1,1,3,3,3-Hexafluoro-2-propanol	for HPLC	500mL
18041-1B	Hexane	for HPLC	1L
18041-2B	Hexane	for HPLC	3L
25183-1B	Methanol -Plus-	for HPLC	1L
25183-2B	Methanol -Plus-	for HPLC	3L
25190-79	Methanol -Plus-	for HPLC(for medicine analysis)	1L
25190-76	Methanol -Plus-	for HPLC(for medicine analysis)	3L
25183-84	Methanol	for preparative LC	3L×2
25336-79	N-Methyl-2-pyrrolidinone	for HPLC	1L

Product code	Product Name	Grade	Package
32435-1B	2-Propanol -Plus-	for HPLC	1L
32435-2B	2-Propanol -Plus-	for HPLC	3L
40060-3B	Tetrahydrofuran, stabilizer free	for HPLC	200mL
40060-5B	Tetrahydrofuran, stabilizer free	for HPLC	500mL
40060-1B	Tetrahydrofuran, stabilizer free	for HPLC	1L
40060-2B	Tetrahydrofuran, stabilizer free	for HPLC	3L
40060-76	Tetrahydrofuran, stabilizer free	for HPLC(for medicine analysis)	3L
41120-79	Tetrahydrofuran, with stabilizer	for HPLC	1L
41120-76	Tetrahydrofuran, with stabilizer	for HPLC	3L
40180-1B	Toluene	for HPLC	1L
40180-2B	Toluene	for HPLC	3L
31005-1B	2,2,4-Trimethylpentane	for HPLC	1L

6.3 Reagent for HPLC

Product code	Product Name	Grade	Package
01021-96	Acetic acid	for HPLC	1mL×5
01021-97	Acetic acid	for HPLC	25mL
16233-96	Formic acid	for HPLC	1mL×5
16233-97	Formic acid	for HPLC	25mL
40578-1B	Trifluoroacetic acid	for HPLC	1mL×5
40578-2B	Trifluoroacetic acid	for HPLC	25mL
32187-96	Phosphoric acid	for HPLC	25mL
01969-23	1mol/L Ammonium acetate solution	for HPLC	100mL
01298-23	1mol/L Ammonium formate solution	for HPLC	100mL

6.4 Eluent for HPLC

Product code	Product Name	Grade	Package
01922-63	0.1% (v/v) Formic acid-Acetonitrile	for HPLC	1L
01922-64	0.1% (v/v) Formic acid-Acetonitrile	for HPLC	3L
16245-63	0.1% (v/v) Formic acid-Distilled water	for HPLC	1L
16245-64	0.1% (v/v) Formic acid-Distilled water	for HPLC	3L
41132-79	0.1% (v/v) Trifluoroacetic acid-Acetonitrile	for HPLC	1L
41132-76	0.1% (v/v) Trifluoroacetic acid-Acetonitrile	for HPLC	3L
41133-79	0.1% (v/v) Trifluoroacetic acid-Distilled water	for HPLC	1L
41133-76	0.1% (v/v) Trifluoroacetic acid-Distilled water	for HPLC	3L

6.5 Ion-pair reagent

Product code	Product Name	Grade	Package
37423-43	Sodium 1-pentanesulfonate	for HPLC	10g
37457-43	Sodium 1-hexanesulfonate	for HPLC	10g
37431-43	Sodium 1-heptanesulfonate	for HPLC	10g
37447-43	Sodium 1-octanesulfonate	for HPLC	10g
37449-53	Sodium 1-nonanesulfonate	for HPLC	5g
37453-53	1-Decanesulfonic acid sodium salt	for HPLC	5g
37203-33	Sodium n-dodecyl sulfate	for HPLC	25g
40465-43	Tetrabutylammonium hydrogen sulfate	for HPLC	10g
40466-53	Tetrabutylammonium phosphate	for HPLC	5g
42012-1A	Tetrabutylammonium hydroxide titrant	HPLC grade	100g
42012-2A	Tetrabutylammonium hydroxide titrant	HPLC grade	500g
42017-1A	Tetrabutylammonium phosphate solution	HPLC grade	25mL

6.6 Non-metal standard solution for Ion Chromatography

Product code	Product Name	Grade	Package
14613-23	Fluoride ion standard solution F: 1000mg/L	JCSS	100mL
08126-23	Chloride ion standard solution Cl: 1000mg/L	JCSS	100mL

Product code	Product Name	Grade	Package
05018-96	Bromide ion standard solution Br ⁻ : 1000mg/L	JCSS	100mL
05807-96	Bromate ion standard solution BrO ₃ ⁻ : 2000mg/L	JCSS	100mL
07731-97	Cyanide ion standard solution CN ⁻ : 1000mg/L	JCSS	100mL
28670-96	Nitrogen standard solution NO ₃ -N: 1000mg/L	JCSS	100mL
28628-23	Nitrate ion standard solution NO ₃ ⁻ : 1000mg/L	JCSS	100mL
28637-96	Nitrite-nitrogen standard solution NO ₂ -N: 1000mg/L	JCSS	100mL
28630-23	Nitrite ion standard solution NO ₂ ⁻ : 1000mg/L	JCSS	100mL
08169-96	Chlorate ion standard solution ClO ₃ ⁻ : 1000mg/L	JCSS	100mL
08170-96	Chlorite ion standard solution ClO ₂ ⁻ : 1000mg/L	JCSS	100mL
38005-23	Sulfate ion standard solution SO ₄ ²⁻ : 1000mg/L	JCSS	100mL
32958-96	Phosphorus standard solution PO ₄ -P: 1000mg/L	JCSS	100mL
32964-23	Phosphate ion standard solution PO ₄ ³⁻ : 1000mg/L	JCSS	100mL
24245-2B	Lithium standard solution 2 Li ⁺ : 1000mg/L	JCSS	100mL
37821-1B	Sodium standard solution Na ⁺ : 1000mg/L	JCSS	250mL
37821-2B	Sodium standard solution Na ⁺ : 1000mg/L	JCSS	100mL
32832-1B	Potassium standard solution K ⁺ : 1000mg/L	JCSS	250mL
32832-2B	Potassium standard solution K ⁺ : 1000mg/L	JCSS	100mL
25840-3B	Magnesium standard solution 2 Mg ²⁺ : 1000mg/L	JCSS	100mL
07998-3B	Calcium standard solution 2 Ca ²⁺ : 1000mg/L	JCSS	100mL
01802-96	Ammonium-nitrogen standard solution NH ₄ -N: 1000mg/L	JCSS	100mL
01852-23	Ammonium ion standard solution NH ₄ ⁺ : 1000mg/L	JCSS	100mL

6.7 Non-metal multi-element standard solution for Ion Chromatography

Product code	Product Name	Grade	Package
01849-96	Anion mixed standard solution I F: 4mg/L, Cl ⁻ : 8mg/L, NO ₂ ⁻ , NO ₃ ⁻ : 10mg/L, PO ₄ ³⁻ , SO ₄ ²⁻ : 20mg/L	for ion chromatography	50mL
01850-96	Anion mixed standard solution II F: 500mg/L, Cl ⁻ : 2000mg/L, NO ₂ -N: 100mg/L, NO ₃ -N: 200mg/L	for ion chromatography	50mL
01857-96	Anion mixed standard solution III Cl ⁻ : 100mg/L, Br ⁻ , NO ₂ ⁻ , NO ₃ ⁻ : 500mg/L, SO ₄ ²⁻ : 1000mg/L	for ion chromatography	50mL
01856-96	Anion mixed standard solution IV F: 5mg/L, Cl ⁻ , Br ⁻ : 10mg/L, NO ₂ ⁻ : 15mg/L, NO ₃ ⁻ , PO ₄ ³⁻ : 30mg/L, SO ₄ ²⁻ : 40mg/L	for ion chromatography	50mL
01855-96	Anion mixed standard solution V F: 500mg/L, Cl ⁻ : 2000mg/L, NO ₂ -N: 100mg/L, NO ₃ -N: 200mg/L, ClO ₃ ⁻ : 1000mg/L	for ion chromatography	50mL
07196-96	Cation mixed standard solution I Li ⁺ : 2mg/L, Na ⁺ , NH ₄ ⁺ : 10mg/L, K ⁺ : 20mg/L	for ion chromatography	50mL

Product code	Product Name	Grade	Package
07197-96	Cation mixed standard solution II Li ⁺ : 0.5mg/L, Na ⁺ , NH ₄ ⁺ : 2mg/L, K ⁺ , Ca ²⁺ , Mg ²⁺ : 5mg/L	for ion chromatography	50mL
01853-96	Cation mixed standard solution III Na ⁺ , NH ₄ ⁺ , K ⁺ : 100mg/L	for ion chromatography	50mL
08195-96	Cation mixed standard solution IV Na ⁺ , Ca ²⁺ , Mg ²⁺ : 100mg/L	for ion chromatography	50mL

7. Eluent

7.1 Anion eluent

Product code	Product Name	Grade	Package
37991-13	1mol/L Sodium carbonate solution	for ion chromatography	250mL
37992-13	1mol/L Sodium hydrogen carbonate solution	for ion chromatography	250mL

7.2 Monovalent cation eluent

Product code	Product Name	Grade	Package
28622-13	1mol/L Nitric acid	for ion chromatography	250mL
25625-24	2mol/L Methanesulfonic acid solution	for ion chromatography	100mL

7.3 Divalent cation eluent

Product code	Product Name	Grade	Package
14608-13	1mol/L Ethylenediamine solution	for ion chromatography	250mL
41011-13	1mol/L Tartaric acid solution	for ion chromatography	250mL

7.4 Eluent for suppression method

Product code	Product Name	Grade	Package
37993-13	10mol/L Sulfuric acid	for ion chromatography	250mL

8. Reagent for Gas Chromatography

8.1 Esterification reagent (GC Derivatizing reagent)

Product code	Product Name	Grade	Package
04906-96	Boron trifluoride methanol complex, methanol solution	for GC	2mL×5
18614-96	Hydrogen chloride-1-butanol solution (10) concentration: 10% in 1-butanol	for GC	1mL×5
18615-08	Hydrogen chloride-methanol solution (10) concentration: 10% in methanol	for GC	500mL
18615-33	Hydrogen chloride-methanol solution (10) concentration: 10% in methanol	for GC	25mL
18616-96	Hydrogen chloride-methanol solution (5) concentration: 5% in methanol	for GC	1mL×5

8.2 Sililation reagent (GC Derivatizing reagent)

Product code	Product Name	Grade	Package
04650-96	N,O-Bis(trimethylsilyl)acetamide (N,O=N,N)	for GC	1mL×5
04651-96	Bis(trimethylsilyl)trifluoroacetamide	for GC	1mL×5
40048-96	N-Methyl-N-(trimethylsilyl)trifluoroacetamide	for GC	1mL×5
40047-96	N-(Trimethylsilyl)imidazole	for GC	1mL×5

9. Silica gel for Column Chromatography

Product code	Product Name	Grade	Package
37562-79	Silica gel 60, spherical, particle size 40-50μm	for flash chromatography	1kg
37562-84	Silica gel 60, spherical, particle size 40-50μm	for flash chromatography	10kg
37562-85	Silica gel 60, spherical, particle size 40-50μm	for flash chromatography	25kg
37559-79	Silica gel 60, spherical, particle size 40-100μm	for flash chromatography	1kg
37559-84	Silica gel 60, spherical, particle size 40-100μm	for flash chromatography	10kg
37559-85	Silica gel 60, spherical, particle size 40-100μm	for flash chromatography	25kg
37564-79	Silica gel 60, spherical, particle size 63-210μm	for column chromatography	1kg

Product code	Product Name	Grade	Package
37564-84	Silica gel 60, spherical, particle size 63-210µm	for column chromatography	10kg
37564-85	Silica gel 60, spherical, particle size 63-210µm	for column chromatography	25kg
37558-79	Silica gel 60, spherical, particle size 100-210µm	for column chromatography	1kg
37558-84	Silica gel 60, spherical, particle size 100-210µm	for column chromatography	10kg
37558-85	Silica gel 60, spherical, particle size 100-210µm	for column chromatography	25kg
37563-79	Silica gel 60N, spherical neutral, particle size 40-50µm	for flash chromatography	1kg
37563-84	Silica gel 60N, spherical neutral, particle size 40-50µm	for flash chromatography	10kg
37563-85	Silica gel 60N, spherical neutral, particle size 40-50µm	for flash chromatography	25kg
37561-79	Silica gel 60N, spherical neutral, particle size 40-100µm	for flash chromatography	1kg
37561-84	Silica gel 60N, spherical neutral, particle size 40-100µm	for flash chromatography	10kg
37561-85	Silica gel 60N, spherical neutral, particle size 40-100µm	for flash chromatography	25kg
37565-79	Silica gel 60N, spherical neutral, particle size 63-210µm	for column chromatography	1kg
37565-84	Silica gel 60N, spherical neutral, particle size 63-210µm	for column chromatography	10kg
37565-85	Silica gel 60N, spherical neutral, particle size 63-210µm	for column chromatography	25kg
37560-79	Silica gel 60N, spherical neutral, particle size 100-210µm	for column chromatography	1kg
37560-84	Silica gel 60N, spherical neutral, particle size 100-210µm	for column chromatography	10kg
37560-85	Silica gel 60N, spherical neutral, particle size 100-210µm	for column chromatography	25kg

10. RoHS2-compliant reagent

Product code	Product Name	Grade	Package
01158-08	Acetic acid	Conforms to RoHS2	500mL
01139-08	Acetic anhydride	Conforms to RoHS2	500mL
01157-08	Acetone	Conforms to RoHS2	500mL
01140-08	Acetonitrile	Conforms to RoHS2	500mL
01141-08	Adipic acid	Conforms to RoHS2	500g
01142-08	Aluminium oxide (α type)	Conforms to RoHS2	500g
01143-08	2-Aminoethanol	Conforms to RoHS2	500mL
01132-08	Ammonia solution	Conforms to RoHS2	500mL
01133-08	Ammonium acetate	Conforms to RoHS2	500g
01144-08	Ammonium carbonate	Conforms to RoHS2	500g
01151-08	Ammonium chloride	Conforms to RoHS2	500g
01134-08	Ammonium peroxodisulfate	Conforms to RoHS2	500g
01154-08	Ammonium sulfate	Conforms to RoHS2	500g
01019-08	L(+)-Ascorbic acid	Conforms to RoHS2	500g
05835-08	Benzotriazole	Conforms to RoHS2	500g
05831-08	Boric acid	Conforms to RoHS2	500g
05834-08	Boron trioxide	Conforms to RoHS2	500g
05832-08	1-Butanol	Conforms to RoHS2	500mL
05836-08	2-Butanone	Conforms to RoHS2	500mL
05830-08	2-n-Butoxyethanol	Conforms to RoHS2	500mL
05837-08	2-(2-n-Butoxyethoxy)ethanol	Conforms to RoHS2	500mL
05838-08	2-(2-n-Butoxyethoxy)ethyl acetate	Conforms to RoHS2	500mL
05839-08	Butyl acetate	Conforms to RoHS2	500mL
05833-08	4-Butyrolactone (4= γ)	Conforms to RoHS2	500g
07241-08	Calcium hydroxide	Conforms to RoHS2	500g
07246-08	Carbon disulfide	Conforms to RoHS2	500mL
07195-08	Copper(II) sulfate pentahydrate	Conforms to RoHS2	500g
07205-08	Cyclohexanone	Conforms to RoHS2	500mL
01153-08	Diammonium hydrogen citrate	Conforms to RoHS2	500g
10372-08	2,6-Di-tert-butyl-p-cresol	Conforms to RoHS2	500g
10160-08	o-Dichlorobenzene	Conforms to RoHS2	500mL
10119-08	1,2-Dichloroethane	Conforms to RoHS2	500mL
10299-08	Dichloromethane	Conforms to RoHS2	500mL
10267-08	Diethylene glycol	Conforms to RoHS2	500mL
10196-08	Diethyl ether	Conforms to RoHS2	500mL
10300-08	N,N-Dimethylacetamide	Conforms to RoHS2	500mL
10278-08	N,N-Dimethylformamide	Conforms to RoHS2	500mL
10382-08	Dimethyl sulfoxide	Conforms to RoHS2	500mL

Product code	Product Name	Grade	Package
10294-08	1,4-Dioxane (1,4=p)	Conforms to RoHS2	500mL
10215-08	Disodium dihydrogen ethylenediamine tetraacetic acid dihydrate	Conforms to RoHS2	500g
10216-08	Disodium hydrogenphosphate	Conforms to RoHS2	500g
10254-08	Disodium hydrogenphosphate dodecahydrate	Conforms to RoHS2	500g
14070-08	Ethanol (95)	Conforms to RoHS2	500mL
14016-08	Ethanol (99.5)	Conforms to RoHS2	500mL
14110-08	Ethylenediaminetetraacetic acid	Conforms to RoHS2	500g
14093-08	Ethylene glycol	Conforms to RoHS2	500mL
16291-08	Formaldehyde solution	Conforms to RoHS2	500mL
16292-08	Formic acid, 98%	Conforms to RoHS2	500mL
17616-08	D(+)-Glucose	Conforms to RoHS2	500g
17615-08	Glycerol (Glycerin)	Conforms to RoHS2	500mL
18719-08	Heptane (n-Heptane)	Conforms to RoHS2	500mL
18720-08	Hexane	Conforms to RoHS2	500mL
18723-08	Hydrobromic acid	Conforms to RoHS2	500mL
18721-08	Hydrochloric acid	Conforms to RoHS2	500mL
18722-08	Hydrogen peroxide	Conforms to RoHS2	500mL
20081-08	Iron(III) nitrate nonahydrate	Conforms to RoHS2	500g
20082-08	Iron(II) sulfate heptahydrate	Conforms to RoHS2	500g
24000-08	Lactic acid	Conforms to RoHS2	500mL
25898-08	Maleic anhydride	Conforms to RoHS2	500g
25901-08	Methanol	Conforms to RoHS2	500mL
25899-08	2-Methoxyethanol	Conforms to RoHS2	500mL
25900-08	4-Methyl-2-pentanone	Conforms to RoHS2	500mL
25897-08	N-Methyl-2-pyrrolidinone	Conforms to RoHS2	500mL
25896-08	Monochlorobenzene	Conforms to RoHS2	500mL
28210-08	Nickel(II) chloride hexahydrate	Conforms to RoHS2	500g
28208-08	Nickel(II) sulfate hexahydrate	Conforms to RoHS2	500g
28209-08	Nitric acid 1.38	Conforms to RoHS2	500mL
31066-08	Oxalic acid dihydrate	Conforms to RoHS2	500g
32096-08	Petroleum benzin	Conforms to RoHS2	500mL
32105-08	Petroleum ether	Conforms to RoHS2	500mL
32151-08	Phosphonic acid	Conforms to RoHS2	500g
32005-08	Phosphoric acid	Conforms to RoHS2	500mL
32107-08	Potassium carbonate	Conforms to RoHS2	500g
32057-08	Potassium chloride	Conforms to RoHS2	500g
32087-08	Potassium dihydrogenphosphate	Conforms to RoHS2	500g
32094-08	Potassium hydroxide	Conforms to RoHS2	500g
32031-08	Potassium iodide	Conforms to RoHS2	500g
32111-08	Potassium nitrate	Conforms to RoHS2	500g
32037-08	Potassium permanganate	Conforms to RoHS2	500g
32113-08	Potassium peroxodisulfate	Conforms to RoHS2	500g
32133-08	2-Propanol	Conforms to RoHS2	500mL
32039-08	Propylene oxide	Conforms to RoHS2	500mL
32122-08	Pyridine	Conforms to RoHS2	500mL
37060-08	Sodium acetate	Conforms to RoHS2	500g
37002-08	Sodium carbonate	Conforms to RoHS2	500g
37062-08	Sodium chloride	Conforms to RoHS2	500g
37063-08	Sodium dihydrogenphosphate dihydrate	Conforms to RoHS2	500g
37066-08	Sodium hydrogen carbonate	Conforms to RoHS2	500g
37077-08	Sodium hydrogen sulfite	Conforms to RoHS2	500g
37003-08	Sodium hydroxide	Conforms to RoHS2	500g
37054-08	Sodium phosphinate monohydrate	Conforms to RoHS2	500g
37081-08	Sodium sulfate	Conforms to RoHS2	500g
37082-08	Sodium sulfite	Conforms to RoHS2	500g
37072-08	Sodium thiosulfate pentahydrate	Conforms to RoHS2	500g
37091-08	Stearic acid	Conforms to RoHS2	500g
37058-08	Sulfuric acid	Conforms to RoHS2	500mL
40128-08	L(+)-Tartaric acid	Conforms to RoHS2	500g
40204-08	Tetrahydrofuran	Conforms to RoHS2	500mL

Product code	Product Name	Grade	Package
40217-08	Toluene	Conforms to RoHS2	500mL
40059-08	Triethylamine	Conforms to RoHS2	500mL
40108-08	2,2,4-Trimethylpentane	Conforms to RoHS2	500mL
40191-08	Trisodium citrate dihydrate	Conforms to RoHS2	500g
40202-08	Trisodium phosphate 12-water	Conforms to RoHS2	500g
43008-08	Urea	Conforms to RoHS2	500g
46003-08	Xylene	Conforms to RoHS2	500mL
48021-08	Zinc chloride	Conforms to RoHS2	500g

- Please use the products listed in the catalog as reagents (chemicals used for testing or research purpose).
- Product information is subject to change without notice. For the latest information, please have a look at our website "Cica-Web".



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