



Price List

Single & Multi-Element Standards

Ultrapur™ & Ultrapur™ -100 High Purity Acids

*Note: Prices do not include GST.
GST extra as applicable.*



Cat #	Product Name	Element(s)	Component(s)	Conc mg/L	Pack Size	Shelf Life (months)	Price/ unit	Lead Time
SINGLE ELEMENT STANDARD SOLUTION (METAL)								
37812-2B	Silver standard solution (Ag 1000)	Ag	AgNO ₃ , HNO ₃ (0.5 mol/L solution)	1,000	100 mL	24	4,100	2/3 wks
01783-1B	Aluminium standard solution (Al 1000)	Al	Al, HNO ₃ (0.2 mol/L solution)	1,000	250 mL	24	7,300	2/3 wks
01783-2B	Aluminium standard solution (Al 1000)	Al	Al, HNO ₃ (0.2 mol/L solution)	1,000	100 mL	24	3,700	2/3 wks
01178-1B	Arsenic standard solution (As 1000)	As	As ₂ O ₃ , NH ₄ Cl (0.2 %, HCl acid solution)	1,000	100 mL	24	3,900	2/3 wks
01177-1B	Arsenic standard solution (As 100)	As	As ₂ O ₃ , NH ₄ Cl (0.02 %, HCl acid solution)	100	100 mL	24	4,000	2/3 wks
01796-1B	Arsenic standard solution [As(V) 100]	As (V)	As(V), HNO ₃ (0.8 mol/L solution)	100	100 mL	24	5,500	2/3 wks
17595-1B	Gold standard solution (Au 1000)	Au	Au, HCl (1 mol/L solution), very small amount of HNO ₃	1,000	100 mL	24	5,100	2/3 wks
04889-1B	Boron standard solution (B 1000)	B	H ₃ BO ₃ Water solution	1,000	100 mL	24	3,400	2/3 wks
04865-1B	Barium standard solution (Ba 1000)	Ba	BaCO ₃ , HNO ₃ (0.1 mol/L solution)	1,000	100 mL	24	3,700	2/3 wks
04864-1B	Beryllium standard solution (Be 1000)	Be	Be, HNO ₃ (0.1 mol/L solution)	1,000	100 mL	24	3,900	2/3 wks
04881-1B	Bismuth standard solution (Bi 1000)	Bi	Bi, HNO ₃ (0.5 mol/L solution)	1,000	100 mL	24	4,000	2/3 wks
04882-1B	Bismuth standard solution (Bi 100)	Bi	Bi, HNO ₃ (0.5 mol/L solution)	100	100 mL	24	5,100	2/3 wks
07998-1B	Calcium standard solution 1 (Ca 1000)	Ca	CaCO ₃ , HNO ₃ (0.1 mol/L solution)	1,000	250 mL	24	6,900	2/3 wks
07998-2B	Calcium standard solution 1 (Ca 1000)	Ca	CaCO ₃ , HNO ₃ (0.1 mol/L solution)	1,000	100 mL	24	3,600	2/3 wks
07993-1B	Cadmium standard solution (Cd 1000)	Cd	Cd, HNO ₃ (0.1 mol/L solution)	1,000	100 mL	24	3,400	2/3 wks
07994-1B	Cadmium standard solution (Cd 100)	Cd	Cd, HNO ₃ (0.1 mol/L solution)	100	100 mL	24	3,700	2/3 wks
08006-1B	Cerium standard solution (Ce 1000)	Ce	Ce (NO ₃) ₃ , HNO ₃ (1 mol/L solution)	1,000	100 mL	24	2,400	2/3 wks
08040-1B	Cobalt standard solution (Co 1000)	Co	Co, HNO ₃ (0.1 mol/L solution)	1,000	100 mL	24	3,700	2/3 wks
08041-1B	Cobalt standard solution (Co 100)	Co	Co, HNO ₃ (0.1 mol/L solution)	100	100 mL	24	5,200	2/3 wks
08037-1B	Chromium standard solution 1 (Cr 1000)	Cr (VI)	K ₂ Cr ₂ O ₇ , HNO ₃ (0.01 mol/L solution)	1,000	250 mL	24	7,700	2/3 wks
08037-2B	Chromium standard solution 1 (Cr 1000)	Cr (VI)	K ₂ Cr ₂ O ₇ , HNO ₃ (0.01 mol/L solution)	1,000	100 mL	24	3,600	2/3 wks
08038-1B	Chromium standard solution 1 (Cr 100)	Cr (VI)	K ₂ Cr ₂ O ₇ , HNO ₃ (0.01 mol/L solution)	100	100 mL	24	3,700	2/3 wks
08037-3B	Chromium standard solution 2 (Cr 1000)	Cr (III)	Cr (NO ₃) ₃ , HNO ₃ (0.1 mol/L solution)	1,000	100 mL	24	4,100	2/3 wks
08007-1B	Cesium standard solution (Cs 1000)	Cs	CsCl Water solution	1,000	100 mL	24	5,200	2/3 wks
08046-1B	Copper standard solution (Cu 1000)	Cu	Cu, HNO ₃ (0.1 mol/L solution)	1,000	250 mL	24	6,900	2/3 wks
08046-2B	Copper standard solution (Cu 1000)	Cu	Cu, HNO ₃ (0.1 mol/L solution)	1,000	100 mL	24	3,600	2/3 wks

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08047-1B	Copper standard solution (Cu 100)	Cu	Cu, HNO3 (0.1 mol/L solution)	100	100 mL	24	3,700	2/3 wks
11310-1B	Dysprosium standard solution (Dy 1000)	Dy	Dy (NO3 3, HNO3 (1 mol/L solution)	1,000	100 mL	24	4,100	2/3 wks
14553-1B	Erbium standard solution (Er 1000)	Er	Er (NO3 3, HNO3 (1 mol/L solution)	1,000	100 mL	24	4,100	2/3 wks
14576-1B	Europium standard solution (Eu 1000)	Eu	Eu (NO3 3, HNO3 (1 mol/L solution)	1,000	100 mL	24	4,800	2/3 wks
20247-1B	Iron standard solution (Fe 1000)	Fe	Fe, HNO3 (0.2 mol/L solution)	1,000	250 mL	24	7,700	2/3 wks
20247-2B	Iron standard solution (Fe 1000)	Fe	Fe, HNO3 (0.2 mol/L solution)	1,000	100 mL	24	3,400	2/3 wks
20248-1B	Iron standard solution (Fe 100)	Fe	Fe, HNO3 (0.2 mol/L solution)	100	100 mL	24	3,700	2/3 wks
17591-1B	Gallium standard solution (Ga 1000)	Ga	Ga, HNO3 (0.2 mol/L solution)	1,000	100 mL	24	5,400	2/3 wks
17590-1B	Gadolinium standard solution (Gd 1000)	Gd	Gd (NO3 3, HNO3 (1 mol/L solution)	1,000	100 mL	24	4,000	2/3 wks
17592-1B	Germanium standard solution (Ge 1000)	Ge	Ge, KOH (0.2 mol/L solution)	1,000	100 mL	24	4,100	2/3 wks
18155-1B	Hafnium standard solution (Hf 1000)	Hf	Hf, HNO3 (0.1 mol/L)solution)	1,000	100 mL	24	15,800	2/3 wks
25828-1B	Mercury standard solution (Hg 1000)	Hg	HgCl2, HNO3 (0.1 mol/L solution)	1,000	100 mL	24	3,800	2/3 wks
18612-1B	Holmium standard solution (Ho 1000)	Ho	Ho (NO3 3, HNO3 (1 mol/L solution)	1,000	100 mL	24	5,000	2/3 wks
20241-1B	Indium standard solution (In 1000)	In	In, HNO3 (0.2 mol/L solution)	1,000	100 mL	24	6,100	2/3 wks
19604-1A	Iridium standard solution (Ir 1000)	Ir	Ir, HCl (10 %~20 % solution)	1,000	100 mL	-	23,000	2/3 wks
32832-1B	Potassium standard solution (K 1000)	K	KCl solution	1,000	250 mL	24	7,700	2/3 wks
32832-2B	Potassium standard solution (K 1000)	K	KCl solution	1,000	100 mL	24	3,500	2/3 wks
24237-1B	Lanthanum standard solution (La 1000)	La	La (NO3 3, HNO3 (1 mol/L solution)	1,000	100 mL	24	2,800	2/3 wks
24245-1B	Lithium standard solution 1 (Li 1000)	Li	Li2CO3, HNO3 (0.01 mol/L solution)	1,000	100 mL	24	3,500	2/3 wks
24253-1B	Lutetium standard solution (Lu 1000)	Lu	Lu (NO3 3, HNO3 (1 mol/L solution)	1,000	100 mL	24	8,100	2/3 wks
25840-1B	Magnesium standard solution 1 (Mg 1000)	Mg	Mg, HNO3 (0.1 mol/L solution)	1,000	250 mL	24	8,100	2/3 wks
25840-2B	Magnesium standard solution 1 (Mg 1000)	Mg	Mg, HNO3 (0.1 mol/L solution)	1,000	100 mL	24	3,600	2/3 wks
25824-1B	Manganese standard solution (Mn 1000)	Mn	Mn, HNO3 (0.1 mol/L solution)	1,000	250 mL	24	7,700	2/3 wks
25824-2B	Manganese standard solution (Mn 1000)	Mn	Mn, HNO3 (0.1 mol/L solution)	1,000	100 mL	24	3,600	2/3 wks
25825-1B	Manganese standard solution (Mn 100)	Mn	Mn, HNO3 (0.1 mol/L solution)	100	100 mL	24	3,700	2/3 wks
25883-1B	Molybdenum standard solution (Mo 1000)	Mo	Mo, HCl (0.4 mol/L, HNO3 (0.2 mol/L solution)	1,000	100 mL	24	3,400	2/3 wks
37821-1B	Sodium standard solution (Na 1000)	Na	NaCl Water solution	1,000	250 mL	24	7,300	2/3 wks
37821-2B	Sodium standard solution (Na 1000)	Na	NaCl Water solution	1,000	100 mL	24	3,500	2/3 wks

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28580-1B	Niobium standard solution (Nb 1000)	Nb	Nb, HF (1 mol/L solution)	1,000	100 mL	24	3,300	2/3 wks
28574-1B	Neodymium standard solution (Nd 1000)	Nd	Nd (NO3 3, HNO3 (1 mol/L solution)	1,000	100 mL	24	3,700	2/3 wks
28577-1B	Nickel standard solution (Ni 1000)	Ni	Ni, HNO3 (0.1 mol/L solution)	1,000	250 mL	24	7,300	2/3 wks
28577-2B	Nickel standard solution (Ni 1000)	Ni	Ni, HNO3 (0.1 mol/L solution)	1,000	100 mL	24	3,300	2/3 wks
28578-1B	Nickel standard solution (Ni 100)	Ni	Ni, HNO3 (0.1 mol/L solution)	100	100 mL	24	3,700	2/3 wks
31043-1B	Osmium standard solution (Os 1000)	Os	(NH4 2OscI6, HCl (2.5 mol/L solution)	1,000	100 mL	24	26,800	2/3 wks
32958-96	Phosphorus standard solution (PO4-P 1000)	PO4-P	KH2PO4 Water solution	1,000	100 mL	24	7,300	2/3 wks
24239-1B	Lead standard solution (Pb 1000)	Pb	Pb, HNO3 (0.1 mol/L solution)	1,000	250 mL	24	7,300	2/3 wks
24239-2B	Lead standard solution (Pb 1000)	Pb	Pb, HNO3 (0.1 mol/L solution)	1,000	100 mL	24	3,600	2/3 wks
24240-1B	Lead standard solution (Pb 100)	Pb	Pb, HNO3 (0.1 mol/L solution)	100	100 mL	24	3,800	2/3 wks
32788-1B	Palladium standard solution (Pd 1000)	Pd	Pd, HNO3 (1 mol/L solution)	1,000	100 mL	24	4,700	2/3 wks
32868-1B	Praseodymium standard solution (Pr 1000)	Pr	Pr (NO3 3, HNO3 (1 mol/L solution)	1,000	100 mL	24	4,000	2/3 wks
32818-1B	Platinum standard solution (Pt 1000)	Pt	Pt, HCl (1 mol/L solution), very small amount of HNO3	1,000	100 mL	24	4,900	2/3 wks
36521-1B	Rubidium standard solution (Rb 1000)	Rb	RbCl Water solution	1,000	100 mL	24	5,500	2/3 wks
36516-1B	Rhenium standard solution (Re 1000)	Re	Re, HNO3 (0.1 mol/L solution)	1,000	100 mL	24	9,700	2/3 wks
36518-1B	Rhodium standard solution (Rh 1000)	Rh	RhCl3, HCl (1 mol/L solution)	1,000	100 mL	24	13,400	2/3 wks
19625-1A	Ruthenium standard solution (Ru 1000)	Ru	Ru, HCl (10 % ~ 20 % solution)	1,000	100 mL	-	14,200	2/3 wks
37377-96	Sulfur standard solution (S 1000)	S	H2SO4 Water solution	1,000	100 mL	24	4,900	2/3 wks
01803-1B	Antimony standard solution (Sb 1000)	Sb	Sb2O3, HCl (2.5 mol/L solution)	1,000	100 mL	24	3,900	2/3 wks
01804-1B	Antimony standard solution (Sb 100)	Sb	Sb2O3, HCl (2.5 mol/L solution)	100	100 mL	24	5,500	2/3 wks
37807-1B	Scandium standard solution (Sc 1000)	Sc	Sc (NO3 3, HNO3 (1 mol/L solution)	1,000	100 mL	24	6,500	2/3 wks
37808-1B	Selenium standard solution (Se 1000)	Se	Se, HNO3 (0.1 mol/L solution)	1,000	100 mL	24	3,400	2/3 wks
37040-1B	Silicon standard solution (Si 1000)	Si	Si, KOH (0.1 mol/L solution)	1,000	100 mL	24	4,500	2/3 wks
37806-1B	Samarium standard solution (Sm 1000)	Sm	Sm (NO3 3, HNO3 (1 mol/L solution)	1,000	100 mL	24	3,800	2/3 wks
40879-1B	Tin standard solution (Sn 1000)	Sn	Sn, HCl (2.5 mol/L solution)	1,000	250 mL	24	4,500	2/3 wks
40879-2B	Tin standard solution (Sn 1000)	Sn	Sn, HCl (2.5 mol/L solution)	1,000	100 mL	24	3,300	2/3 wks
37876-1B	Strontium standard solution (Sr 1000)	Sr	SrCO3, HNO3 (0.1 mol/L solution)	1,000	100 mL	24	3,300	2/3 wks

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48055-1B	Tantalum standard solution (Ta 1000)	Ta	Ta, HF (1 mol/L solution), very small amount of HNO3	1,000	100 mL	24	3,700	2/3 wks
40857-1B	Terbium standard solution (Tb 1000)	Tb	Tb (NO3 3, HNO3 (1 mol/L solution)	1,000	100 mL	24	4,900	2/3 wks
40856-1B	Tellurium standard solution (Te 1000)	Te	Te, HCl (1 mol/L solution)	1,000	100 mL	24	5,200	2/3 wks
40882-1B	Titanium standard solution (Ti 1000)	Ti	Ti, H2SO4 (2 mol/L solution)	1,000	100 mL	24	2,400	2/3 wks
40871-1B	Thallium standard solution (Tl 1000)	Tl	TlNO3, HNO3 (1 mol/L solution)	1,000	100 mL	24	3,800	2/3 wks
40872-1B	Thulium standard solution (Tm 1000)	Tm	Tm (NO3 3, HNO3 (1 mol/L solution)	1,000	100 mL	24	7,300	2/3 wks
44068-1B	Vanadium standard solution (V 1000)	V	V, HCl (0.2 mol/L, HNO3 (0.4 mol/L solution)	1,000	100 mL	24	4,100	2/3 wks
40965-1B	Tungsten standard solution (W 1000)	W	Na2WO4 Water solution	1,000	100 mL	24	2,600	2/3 wks
47012-1B	Yttrium standard solution (Y 1000)	Y	Y (NO3 3, HNO3 (1 mol/L solution)	1,000	100 mL	24	3,300	2/3 wks
47011-1B	Ytterbium standard solution (Yb 1000)	Yb	Yb (NO3 3, HNO3 (1 mol/L solution)	1,000	100 mL	24	4,100	2/3 wks
48096-1B	Zinc standard solution (Zn 1000)	Zn	Zn, HNO3 (0.1 mol/L solution)	1,000	250 mL	24	7,300	2/3 wks
48096-2B	Zinc standard solution (Zn 1000)	Zn	Zn, HNO3 (0.1 mol/L solution)	1,000	100 mL	24	3,700	2/3 wks
48097-1B	Zinc standard solution (Zn 100)	Zn	Zn, HNO3 (0.1 mol/L solution)	100	100 mL	24	3,600	2/3 wks
48003-1B	Zirconium standard solution (Zr 1000)	Zr	Zr, H2SO4 (0.3 mol/L solution), contains trace amount nitric acid and HCL	1,000	100 mL	24	3,800	2/3 wks

MULTI ELEMENT STANDARD SOLUTION (METAL)

20277-23	ICP Standard solution A (4 metals mix): Al, Bi, Ni, Pb (each 100mg/L, 1mol/L HNO3 solution)	Al, Bi, Ni, Pb	1 mol/L HNO3 solution	each 100mg/L	100 mL	24	6,900	2/3 wks
20278-23	ICP Standard solution B (4 metals mix): B, Cd, Cr, Zn (each 100mg/L, 0.1mol/L HNO3 solution)	B, Cd, Cr, Zn	0.1 mol/L HNO3 solution	each 100mg/L	100 mL	24	6,900	2/3 wks
20279-23	ICP Standard solution C (4 metals mix): Co, Cu, Fe, Mn (each 100mg/L, 0.1mol/L HNO3 solution)	Co, Cu, Fe, Mn	0.1 mol/L HNO3 solution	each 100mg/L	100 mL	24	6,900	2/3 wks
20280-23	ICP Standard solution D (6 metals mix): Ba, Ca, K, Mg, Na, Sr (each 100mg/L, 0.5mol/L HNO3 solution, a little HCl)	Ba, Ca, K, Mg, Na, Sr	0.5mol/L HNO3 solution, a little HCl	each 100mg/L	100 mL	24	8,500	2/3 wks

Cat #	Product Name	Element(s)	Component(s)	Conc mg/L	Pack Size	Shelf Life (months)	Price/ unit	Lead Time
20260-23	ICP Standard solution F (16 metals mix): Ce, Dy, Er, Eu, Gd, Ho, La, Lu, Nd, Pr, Sm, Sc, Tb, Tm, Yb, Y (each 10mg/L, 5% HNO3 solution)	Ce, Dy, Er, Eu, Gd, Ho, La, Lu, Nd, Pr, Sm, Sc, Tb, Tm, Yb, Y	5% HNO3 solution	each 10mg/L	100 mL	24	21,500	2/3 wks
20261-23	ICP Standard solution G (10 metals mix): Au, Hf, Ir, Pd, Pt, Rh, Ru, Sb, Sn, Te (each 10mg/L, 10% HCl - 1% HNO3 solution)	Au, Hf, Ir, Pd, Pt, Rh, Ru, Sb, Sn, Te	10% HCl - 1% HNO3 solution	each 10mg/L	100 mL	24	16,600	2/3 wks
20262-23	ICP Standard solution H (25 metals mix): 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, 2% HNO3 solution)	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	2% HNO3 solution	each 10mg/L	100 mL	24	28,400	2/3 wks
20263-23	ICP Standard solution I (6 metals mix) : Ce, Co, Li, Mg, Tl, Y (each 1mg/L, 2% HNO3 solution)	Ce, Co, Li, Mg, Tl, Y	2% HNO3 solution	each 1mg/L	100 mL	24	15,000	2/3 wks
20264-23	ICP Standard solution J (6 metals mix) : As, Cd, Pb - 10mg/L & Co, V, Ni - 50mg/L (5% HNO3 solution)	As, Cd, Pb, Co, V, Ni	5% HNO3 solution	As, Cd, Pb - 10mg/L & Co, V, Ni - 50mg/L	100 mL	24	16,600	2/3 wks
For Water Analysis Mixture Standard Solution								
25937-23	Metals standard solution I (8 metals mix) : Cd, Cr, Cu, Fe, Mn, Na, Pb, Zn (each 100mg/L, 0.1mol/L HNO3 solution)	Cd, Cr, Cu, Fe, Mn, Na, Pb, Zn	0.1mol/L HNO3 solution	each 100mg/L	100 mL	24	9,700	2/3 wks
25939-23	Metals standard solution III (8 metals mix) : Co, Cu, Fe, Mn, Ni, Pb, Zn - each 10mg/L; Cd - 8mg/L (0.1 mol/L HNO3 solution) ★JIS K0101, K0102	Co, Cu, Fe, Mn, Ni, Pb, Zn, Cd	0.1 mol/L HNO3 solution	Co, Cu, Fe, Mn, Ni, Pb, Zn - each 10mg/L; Cd - 8mg/L	100 mL	24	8,500	2/3 wks
25940-23	Metals standard solution IV (3 metals mix) : Mo - 10mg/L; Cr, V - each 20mg/L (0.1 mol/L HNO3 solution) ★JIS K0101, K0102	Mo, Cr, V	0.1 mol/L HNO3 solution	Mo - 10mg/L; Cr, V - each 20mg/L	100 mL	24	6,900	2/3 wks
25941-23	Metals standard solution V (10 metals mix) : Al, As, B, Cd, Cr, Cu, Mn, Pb, Se, Zn (each 100mg/L, 0.1 mol/L HNO3 solution)	Al, As, B, Cd, Cr, Cu, Mn, Pb, Se, Zn	0.1 mol/L HNO3 solution	each 100mg/L	100 mL	24	14,200	2/3 wks
26014-23	Metals standard solution VII (12 metals mix): Al, B, Ca, Cd, Cr, Cu, Fe, Mg, Mn, Na, Pb, Zn (each 100mg/L, 0.1 mol/L HNO3 solution)	Al, B, Ca, Cd, Cr, Cu, Fe, Mg, Mn, Na, Pb, Zn	0.1 mol/L HNO3 solution	each 100mg/L	100 mL	24	15,000	2/3 wks

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26015-23	Metals standard solution VIII (6 metals mix) : Be, Co, Ga, In, Tl, Y (each 100mg/L, 0.1 mol/L HNO3 solution)	Be, Co, Ga, In, Tl, Y	0.1 mol/L HNO3 solution	each 100mg/L	100 mL	24	10,100	2/3 wks
25875-96	14 Metals standard solution: Al, B, Ca, Cu, Fe, Mg, Na, Zn - each 100mg/L; As, Cr, Mn, Pb, Se - each 10mg/L; Cd -5mg/L (0.1 mol/L HNO3 solution)	Al, B, Ca, Cu, Fe, Mg, Na, Zn, As, Cr, Mn, Pb, Se, Cd	0.1 mol/L HNO3 solution	Al, B, Ca, Cu, Fe, Mg, Na, Zn - each 100mg/L; As, Cr, Mn, Pb, Se - each 10mg/L; Cd - 5mg/L	100 mL	24	17,400	2/3 wks

SINGLE ELEMENT STANDARD SOLUTION (ION)

14613-23	Fluoride ion standard solution	F-	NaF solution	1,000	100 mL	24	5,500	2/3 wks
08126-23	Chloride ion standard solution	Cl-	NaCl solution	1,000	100 mL	24	5,200	2/3 wks
05018-96	Bromide ion standard solution	Br-	KBr solution	1,000	100 mL	24	5,500	2/3 wks
05807-96	Bromate ion standard solution	BrO3-	KBrO3 solution	2,000	100 mL	24	8,100	2/3 wks
07731-97	Cyanide ion standard solution	CN-	KCN, KOH solution	1,000	100 mL	12	10,600	2/3 wks
28670-96	Nitrogen standard solution (NO3-N 1000)	NO3-N	KNO3 solution	1,000	100 mL	24	7,300	2/3 wks
28628-23	Nitrate ion standard solution	NO3-	KNO3 solution	1,000	100 mL	24	5,600	2/3 wks
28637-96	Nitrite-nitrogen standard solution (NO2-N 1000)	NO2-N	NaNO2 solution	1,000	100 mL	24	7,300	2/3 wks
28630-23	Nitrite ion standard solution	NO2-	NaNO2 solution	1,000	100 mL	24	5,600	2/3 wks
08169-96	Chlorate ion standard solution	ClO3-	NaClO3 solution	1,000	100 mL	24	7,300	2/3 wks
05807-96	Bromate ion standard solution	BrO3-	KBrO3 solution	2,000	100 mL	24	8,100	2/3 wks
08170-96	Chlorite ion standard solution	ClO2-	NaClO2 solution	1,000	100 mL	24	8,100	2/3 wks
38005-23	Sulfate ion standard solution	SO42-	Na2SO4 solution	1,000	100 mL	24	5,600	2/3 wks
32958-96	Phosphorus standard solution (PO4-P 1000)	PO4-P	KH2PO4 solution	1,000	100 mL	24	7,300	2/3 wks
32964-23	Phosphate ion standard solution	PO43-	KH2PO4 solution	1,000	100 mL	24	5,600	2/3 wks
24245-2B	Lithium standard solution 2 (Li 1000)	Li+	LiCl solution	1,000	100 mL	24	4,300	2/3 wks
37821-1B	Sodium standard solution (Na 1000)	Na+	NaCl solution	1,000	250 mL	24	7,300	2/3 wks
37821-2B	Sodium standard solution (Na 1000)	Na+	NaCl solution	1,000	100 mL	24	3,500	2/3 wks

Cat #	Product Name	Element(s)	Component(s)	Conc mg/L	Pack Size	Shelf Life (months)	Price/ unit	Lead Time
25840-3B	Magnesium standard solution 2 (Mg 1000)	Mg2+	MgCl2 solution	1,000	100 mL	24	4,100	2/3 wks
07998-3B	Calcium standard solution 2 (Ca 1000)	Ca2+	CaCl2 solution	1,000	100 mL	24	4,100	2/3 wks
01802-96	Ammonium-nitrogen standard solution (NH4-N 1000)	NH4-N	NH4Cl solution	1,000	100 mL	24	7,300	2/3 wks
01852-23	Ammonium ion standard solution	NH4+	NH4Cl solution	1,000	100 mL	24	5,800	2/3 wks
MULTI ELEMENT STANDARD SOLUTION (ION)								
07196-96	Cation mixed standard solution I (4 elements mix) Composition: Li+ (2 mg/L); Na+, NH4+ (10m eachg/L); K+ (20 mg/L)	Li+, Na+, NH4+, K+	in H2O	Li+ (2 mg/L); Na+, NH4+ (10m eachg/L); K+ (20 mg/L)	50 mL	24	5,800	2/3 wks
07197-96	Cation mixed standard solution II (6 elements mix): Composition: Li+ (0.5 mg/L); Na+, NH4+ (2 mg each/L); K+, Ca2+, Mg2+ (5 mg each/L)	Li+, Na+, NH4+, K+, Ca2+, Mg2+	in H2O	Li+ (0.5 mg/L); Na+, NH4+ (2 mg each/L); K+, Ca2+, Mg2+ (5 mg each/L)	50 mL	24	6,100	2/3 wks
01853-96	Cation mixed standard solution III (3 elements mix): Composition: NH4+, Na+, K+ (100 mg each/L)	NH4+, Na+, K+	in H2O	NH4+, Na+, K+ (100 mg each/L)	50 mL	24	5,800	2/3 wks
08195-96	Cation mixed standard solution IV (3 elements mix); Composition: Na+, Ca2+, Mg2+ (100 mg each/L)	Na+, Ca2+, Mg2+	in H2O	Na+, Ca2+, Mg2+ (100 mg each/L)	50 mL	24	5,800	2/3 wks
01849-96	Anion mixed standard solution I (6 elements mix); Composition: F- (4 mg/L), Cl- (8 mg/L); NO2-, NO3- (10m eachg/L); PO43-, SO42- (20 mg each/L)	F-, Cl-, NO2-, NO3-, PO43-, SO42-	in H2O	F- (4 mg/L), Cl- (8 mg/L); NO2-, NO3- (10m eachg/L); PO43-, SO42- (20 mg each/L)	50 mL	24	7,700	2/3 wks
01850-96	Anion mixed standard solution II (4 elements mix); Composition: F- (4 mg/L), Cl- (8 mg/L), NO2-N (100 mg/L), NO3-N (200 mg/L)	F-, Cl-, NO2-N, NO3-N	in H2O	F- (4 mg/L), Cl- (8 mg/L), NO2-N (100 mg/L), NO3-N (200 mg/L)	50 mL	24	7,700	2/3 wks

Cat #	Product Name	Element(s)	Component(s)	Conc mg/L	Pack Size	Shelf Life (months)	Price/ unit	Lead Time
01857-96	Anion mixed standard solution III (5 elements mix) Composition: Cl-(100 mg/L), Br-, NO2-, NO3- (500 mg each/L), SO42- (1,000 mg/L)	Cl-, Br-, NO2-, NO3-, SO42-	in H2O	Cl-(100 mg/L), Br-, NO2-, NO3- (500 mg each/L), SO42- (1,000 mg/L)	50 mL	24	7,700	2/3 wks
01856-96	Anion mixed standard solution IV (7 elements mix) Composition: F-(5 mg/L), Cl-, Br- (10m each g/L), NO2-(15 mg/L), NO3-, PO43- (30 mg each/L), SO42- (40 mg/L)	F-, Cl-, Br-, NO2-, NO3-, PO43-, SO42-	in H2O	F-(5 mg/L), Cl-, Br- (10m each g/L), NO2-(15 mg/L), NO3-, PO43- (30 mg each/L), SO42- (40 mg/L)	50 mL	24	7,700	2/3 wks
01855-96	Anion mixed standard solution V (5 elements mix) Composition: NO2-N (100 mg/L), NO3-N (200 mg/L), F-(500 mg/L), ClO3-(1,000 mg/L), Cl-(2,000 mg/L)	NO2-N, NO3-N, F-, ClO3-, Cl-	in H2O	NO2-N (100 mg/L), NO3-N (200 mg/L), F-(500 mg/L), ClO3-(1,000 mg/L), Cl-(2,000 mg/L)	50 mL	24	7,700	2/3 wks

Cat #	Product Name	Grade	Pack Size	Price/ Unit	Lead Time
ULTRAPUR™: HIGH PURITY ACIDS					
01021-2B	Acetic Acid Ultrapur™ 99.0% for Trace analysis (ICPMS/OES,AAS)	Ultrapur™	250 mL	20,700	Ready Stock
01266-3B	Ammonia Solution Ultrapur™ 28~30% for Trace analysis (ICPMS/OES,AAS)	Ultrapur™	250 mL	16,400	Ready Stock
18078-1B	Hydrochloric Acid Ultrapur™ 30.0%~32.0% for Trace analysis (ICPMS/OES,AAS)	Ultrapur™	250 mL	17,700	Ready Stock
18084-2B	Hydrogen Peroxide Ultrapur™ 30.0%~32.0% for Trace analysis (ICPMS/OES,AAS)	Ultrapur™	250 mL	18,700	Ready Stock
28163-1B	Nitric Acid 1.38 Ultrapur™ 60.0~62.0% for Trace analysis (ICPMS/OES,AAS)	Ultrapur™	250 mL	18,000	Ready Stock
32059-1B	Perchloric Acid Ultrapur™ 60.0~62.0% for Trace analysis (ICPMS/OES,AAS)	Ultrapur™	250 mL	38,800	Ready Stock
32947-1B	Potassium Hydroxide Solution Ultrapur™ 15.0% min 250ml for Trace analysis (ICPMS/OES,AAS)	Ultrapur™	250 mL	21,300	Ready Stock
37390-1B	Sulfuric Acid Ultrapur™ 96.0% for Trace analysis (ICPMS/OES,AAS)	Ultrapur™	250 mL	18,700	Ready Stock
43001-1B	Water Ultrapur™ for Trace analysis (ICPMS/OES,AAS)	Ultrapur™	1 L	8,100	Ready Stock
ULTRAPUR™ - 100: HIGH PURITY ACIDS					
18078-4B	Hydrochloric Acid Ultrapur™ - 100 35.0% ~37.0% for Trace analysis (ICPMS/OES,AAS)	Ultrapur™	500 mL	6,100	Ready Stock
28163-5B	Nitric acid 1.42 Ultrapur™ - 100 69.0% ~71.0% for Trace analysis (ICPMS/OES,AAS)	Ultrapur™	500 mL	7,700	Ready Stock
37390-4B	Sulfuric Acid Ultrapur™ - 100 96.0% for Trace analysis (ICPMS/OES,AAS)	Ultrapur™	500 mL	7,000	Ready Stock