

Recommended Shelf Life

ROMIL PrimAg® Mono-Component Reference Solutions

Code	Description	Storage	Shelf Life	Opened
SI25#	Acetate 100 ppm PrimAg ion reference solution	RT	1 year	
E3ACE#	Acetate 1000 ppm PrimAg ion reference solution	RT	2 years	
E3ADI#	Adipate 1000 ppm PrimAg ion reference solution	RT	2 years	
SE97#	Aluminium 1 ppm PrimAg element reference solution	RT	1 year	
SE46#	Aluminium 5 ppm PrimAg element reference solution (CH ₃ COOH matrix)	RT	1 year	
SE28#	Aluminium 10 ppm PrimAg element reference solution	RT	1 year	
SE39#	Aluminium 25 ppm PrimAg element reference solution	RT	1 year	
SE79#	Aluminium 100 ppm PrimAg element reference solution	RT	1 year	
SE85#	Aluminium 100 ppm PrimAg element reference solution (HCl matrix)	RT	1 year	
E3AL#	Aluminium 1000 ppm PrimAg element reference solution	RT	2 years	
SE43#	Aluminium 1000 ppm PrimAg element reference solution (HCl matrix)	RT	1 year	
N7AL#	Aluminium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SI32#	Ammonia 1 ppm PrimAg ion reference solution	RT	1 year	
SI20#	Ammonia 100 ppm PrimAg ion reference solution	RT	1 year	
SI21#	Ammonia 500 ppm PrimAg ion reference solution	RT	1 year	
E3NH3#	Ammonia 1000 ppm PrimAg ion reference solution	RT	2 years	
SI41#	Ammonia-N 500 ppm PrimAg ion reference solution	RT	1 year	
E3AMN#	Ammonia-N 1000 ppm PrimAg ion reference solution	RT	2 years	
N7AMN#	Ammonia-N 10,000 ppm PrimAg ion reference concentrate	RT	1 year	
SI15#	Ammonium 100 ppm PrimAg ion reference solution	RT	1 year	
SI71#	Ammonium 200 ppm PrimAg ion reference solution	RT	1 year	
E3NH4#	Ammonium 1000 ppm PrimAg ion reference solution	RT	2 years	
SI07#	Ammonium 1000 ppm PrimAg ion reference solution (acidic matrix)	RT	1 year	
N7NH4#	Ammonium 10,000 ppm PrimAg ion reference concentrate	RT	2 years	
SI72#	Ammonium 2500 ppm PrimAg ion reference concentrate	RT	1 year	
SI24#	Ammonium-N 10 ppm PrimAg ion reference solution	RT	1 year	
SI73#	Ammonium-N 100 ppm PrimAg ion reference solution	RT	1 year	
E3A4N#	Ammonium-N 1000 ppm PrimAg ion reference solution	RT	2 years	
SE57#	Antimony 10 ppm PrimAg element reference solution	RT	1 year	
SE61#	Antimony 100 ppm PrimAg element reference solution	RT	1 year	
E3SB#	Antimony 1000 ppm PrimAg element reference solution	RT	2 years	
E3SBT#	Antimony 1000 ppm PrimAg element reference solution (HNO ₃ /tartaric acid matrix)	RT	2 years	
N7SB#	Antimony 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE102#	Arsenic 1 ppm PrimAg element reference solution	RT	1 year	
SE25#	Arsenic 10 ppm PrimAg element reference solution	RT	1 year	
SE62#	Arsenic 100 ppm PrimAg element reference solution	RT	1 year	
E3AS#	Arsenic 1000 ppm PrimAg element reference solution	RT	2 years	
N7AS#	Arsenic 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3AS3#	Arsenic(III) 1000 ppm PrimAg element reference solution (HCl matrix)	RT	1 year	
E3AS5#	Arsenic(V) 1000 ppm PrimAg element reference solution (HNO ₃ matrix)	RT	1 year	
SE107#	Barium 1 ppm PrimAg element reference solution	RT	1 year	
SE53#	Barium 10 ppm PrimAg element reference solution	RT	1 year	
SE82#	Barium 100 ppm PrimAg element reference solution	RT	1 year	
E3BA#	Barium 1000 ppm PrimAg element reference solution	RT	2 years	
SI43#	Barium 1000 ppm PrimAg ion reference solution	RT	1 year	
N7BA#	Barium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3BNZ#	Benzoate 1000 ppm PrimAg ion reference solution	RT	2 years	
SE104#	Beryllium 1 ppm PrimAg element reference solution	RT	1 year	
SE58#	Beryllium 10 ppm PrimAg element reference solution	RT	1 year	
SE72#	Beryllium 100 ppm PrimAg element reference solution	RT	1 year	

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E3BE#	Beryllium 1000 ppm PrimAg element reference solution	RT	2 years	
N7BE#	Beryllium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE105#	Bismuth 1 ppm PrimAg element reference solution	RT	1 year	
SE73#	Bismuth 100 ppm PrimAg element reference solution	RT	1 year	
E3BI#	Bismuth 1000 ppm PrimAg element reference solution	RT	2 years	
N7BI#	Bismuth 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE29#	Boron 10 ppm PrimAg element reference solution	RT	1 year	
SE37#	Boron 100 ppm PrimAg element reference solution	RT	1 year	
SE40#	Boron 100 ppm PrimAg element reference solution (H2O matrix)	RT	1 year	
E3B#	Boron 1000 ppm PrimAg element reference solution	RT	2 years	
SE94#	Boron 1000 ppm PrimAg element reference solution (H2O matrix)	RT	1 year	
N7B#	Boron 5,000 ppm PrimAg element reference concentrate	RT	2 years	
E3BMT#	Bromate 1000 ppm PrimAg ion reference solution	RT	2 years	
SI10#	Bromide 100 ppm PrimAg ion reference solution	RT	1 year	
E3BR#	Bromide 1000 ppm PrimAg ion reference solution	RT	2 years	
SI03#	Bromide 1000 ppm PrimAg ion reference solution (ammonium salt)	RT	1 year	
N7BR#	Bromide 10,000 ppm PrimAg ion reference concentrate	RT	2 years	
E3BTY#	Butyrate 1000 ppm PrimAg ion reference solution	RT	2 years	
SE108#	Cadmium 1 ppm PrimAg element reference solution	RT	1 year	
SE17#	Cadmium 10 ppm PrimAg element reference solution	RT	1 year	
SE12#	Cadmium 100 ppm PrimAg element reference solution	RT	1 year	
E3CD#	Cadmium 1000 ppm PrimAg element reference solution	RT	2 years	
SI44#	Cadmium 1000 ppm PrimAg ion reference solution	RT	1 year	
N7CD#	Cadmium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE11#	Caesium 100 ppm PrimAg element reference solution	RT	1 year	
E3CS#	Caesium 1000 ppm PrimAg element reference solution	RT	2 years	
N7CS#	Caesium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE132#	Calcium 50 ppm PrimAg element reference solution (calcium chloride/H2O matrix)	RT	6 months	
SE92#	Calcium 100 ppm PrimAg element reference solution	RT	1 year	
E3CA#	Calcium 1000 ppm PrimAg element reference solution	RT	2 years	
SI45#	Calcium 1000 ppm PrimAg ion reference solution	RT	1 year	
SE98#	Calcium 4,000 ppm PrimAg element reference concentrate	RT	1 year	
N7CA#	Calcium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE03#	Calcium 10,000 ppm PrimAg element reference concentrate (HCl matrix)	RT	1 year	
E3C#	Carbon 1000 ppm PrimAg element reference solution	RT	2 years	
E3CO3#	Carbonate 1000 ppm PrimAg ion reference solution	RT	2 years	
E3CE#	Cerium 1000 ppm PrimAg element reference solution	RT	2 years	
N7CE#	Cerium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SI22#	Chlorate 10 ppm PrimAg ion reference solution	RT	1 year	
E3CRT#	Chlorate 1000 ppm PrimAg ion reference solution	RT	2 years	
SI16#	Chloride 10 ppm PrimAg ion reference solution	RT	1 year	
SI09#	Chloride 100 ppm PrimAg ion reference solution	RT	1 year	
SI26#	Chloride 250 ppm PrimAg ion reference solution	RT	1 year	
E3CL#	Chloride 1000 ppm PrimAg ion reference solution	RT	2 years	
SI02#	Chloride 1000 ppm PrimAg ion reference solution (ammonium salt)	RT	1 year	
N7CL#	Chloride 10,000 ppm PrimAg ion reference concentrate	RT	2 years	
SI69#	Chloride 50,000 ppm PrimAg ion reference concentrate	RT	1 year	
SI23#	Chlorite 10 ppm PrimAg ion reference solution	RT	1 year	
E3CHI#	Chlorite 1000 ppm PrimAg ion reference solution	RT	2 years	
E3CRO#	Chromate 1000 ppm PrimAg ion reference solution	RT	2 years	
SE103#	Chromium(III) 1 ppm PrimAg element reference solution	RT	1 year	

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SE55#	Chromium(III) 10 ppm PrimAg element reference solution	RT	1 year	
SE64#	Chromium(III) 100 ppm PrimAg element reference solution	RT	1 year	
E3CR3#	Chromium(III) 1000 ppm PrimAg element reference solution	RT	2 years	
N7CR3#	Chromium(III) 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE106#	Chromium(VI) 1 ppm PrimAg element reference solution	RT	1 year	
SE31#	Chromium(VI) 10 ppm PrimAg element reference solution	RT	1 year	
E3CR6#	Chromium(VI) 1000 ppm PrimAg element reference solution	RT	2 years	
SI63#	Chromium(VI) 1000 ppm PrimAg ion reference solution	RT	1 year	
N7CR6#	Chromium(VI) 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE04#	Chromium(VI) 10,000 ppm PrimAg element reference concentrate (HCl matrix)	RT	1 year	
E3CIN#	Cinnamate 300 ppm PrimAg ion reference solution	RT	2 years	
E3CIT#	Citrate 1000 ppm PrimAg ion reference solution	RT	2 years	
SE109#	Cobalt 1 ppm PrimAg element reference solution	RT	1 year	
SE54#	Cobalt 10 ppm PrimAg element reference solution	RT	1 year	
SE59#	Cobalt 100 ppm PrimAg element reference solution	RT	1 year	
E3CO#	Cobalt 1000 ppm PrimAg element reference solution	RT	2 years	
SI46#	Cobalt 1000 ppm PrimAg ion reference solution	RT	1 year	
N7CO#	Cobalt 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE110#	Copper 1 ppm PrimAg element reference solution	RT	1 year	
SE30#	Copper 10 ppm PrimAg element reference solution	RT	1 year	
SE70#	Copper 100 ppm PrimAg element reference solution	RT	1 year	
E3CU#	Copper 1000 ppm PrimAg element reference solution	RT	2 years	
SI47#	Copper 1000 ppm PrimAg ion reference solution	RT	1 year	
N7CU#	Copper 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3CN#	Cyanide 1000 ppm PrimAg ion reference solution	RT	6 months	
SI06#	Cyanide 1000 ppm PrimAg ion reference solution (NaOH matrix)	RT	6 months	
E3CYC#	Cyanide-complex 1000 ppm PrimAg reference solution	RT	6 months	
E3DIC#	Dichromate 1000 ppm PrimAg ion reference solution	RT	2 years	
E3DY#	Dysprosium 1000 ppm PrimAg element reference solution	RT	2 years	
E3ER#	Erbium 1000 ppm PrimAg element reference solution	RT	2 years	
E3EU#	Europium 1000 ppm PrimAg element reference solution	RT	2 years	
SI31#	Fluoride 1 ppm PrimAg ion reference solution	RT	3 months	
SI08#	Fluoride 1 ppm PrimAg ion reference solution (sodium salt)	RT	3 months	
SI40#	Fluoride 10 ppm PrimAg ion reference solution	RT	6 months	
SI34#	Fluoride 100 ppm PrimAg ion reference solution	RT	1 year	
E3F#	Fluoride 1000 ppm PrimAg ion reference solution	RT	2 years	
SI19#	Fluoride 1000 ppm PrimAg ion reference solution (sodium salt)	RT	1 year	
SI28#	Fluoride 2000 ppm PrimAg ion reference concentrate	RT	1 year	
N7F#	Fluoride 10,000 ppm PrimAg ion reference concentrate	RT	2 years	
E3FOR#	Formate 1000 ppm PrimAg ion reference solution	RT	2 years	
E3GD#	Gadolinium 1000 ppm PrimAg element reference solution	RT	2 years	
N7GD#	Gadolinium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE74#	Gallium 100 ppm PrimAg element reference solution	RT	1 year	
E3GA#	Gallium 1000 ppm PrimAg element reference solution	RT	2 years	
N7GA#	Gallium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE111#	Germanium 1 ppm PrimAg element reference solution	RT	1 year	
SE75#	Germanium 100 ppm PrimAg element reference solution	RT	1 year	
E3GE#	Germanium 1000 ppm PrimAg element reference solution	RT	2 years	
N7GE#	Germanium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3GLU#	Glutarate 1000 ppm PrimAg ion reference solution	RT	2 years	
E3GYC#	Glycolate 1000 ppm PrimAg ion reference solution	RT	2 years	
E3AU#	Gold 1000 ppm PrimAg element reference solution	RT	2 years	
N7AU#	Gold 10,000 ppm PrimAg element reference concentrate	RT	2 years	

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Code	Description	Storage	Shelf Life	Opened
E3HF#	Hafnium 1000 ppm PrimAg element reference solution	RT	2 years	
N7HF#	Hafnium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3HO#	Holmium 1000 ppm PrimAg element reference solution	RT	2 years	
SE112#	Indium 1 ppm PrimAg element reference solution	RT	1 year	
SE78#	Indium 100 ppm PrimAg element reference solution	RT	1 year	
E3IN#	Indium 1000 ppm PrimAg element reference solution	RT	2 years	
N7IN#	Indium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3IDT#	Iodate 1000 ppm PrimAg ion reference solution	RT	2 years	
E3I#	Iodide 1000 ppm PrimAg ion reference solution	RT	2 years	
SI04#	Iodide 1000 ppm PrimAg ion reference solution (ammonium salt)	RT	1 year	
N7I#	Iodide 10,000 ppm PrimAg ion reference concentrate	RT	2 years	
E3IR#	Iridium 1000 ppm PrimAg element reference solution	RT	2 years	
N7IR#	Iridium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE45#	Iron 1 ppm PrimAg element reference solution	RT	1 year	
SE32#	Iron 10 ppm PrimAg element reference solution	RT	1 year	
SE15#	Iron 100 ppm PrimAg element reference solution	RT	1 year	
E3FE#	Iron 1000 ppm PrimAg element reference solution	RT	2 years	
N7FE#	Iron 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE05#	Iron 10,000 ppm PrimAg element reference concentrate (HCl matrix)	RT	1 year	
E3LAC#	Lactate 1000 ppm PrimAg ion reference solution	FR	1 year	
E3LA#	Lanthanum 1000 ppm PrimAg element reference solution	RT	2 years	
N7LA#	Lanthanum 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE113#	Lead 1 ppm PrimAg element reference solution	RT	1 year	
SE18#	Lead 10 ppm PrimAg element reference solution	RT	1 year	
SE63#	Lead 100 ppm PrimAg element reference solution	RT	1 year	
E3PB#	Lead 1000 ppm PrimAg element reference solution	RT	2 years	
SI48#	Lead 1000 ppm PrimAg ion reference solution	RT	1 year	
N7PB#	Lead 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE56#	Lithium 10 ppm PrimAg element reference solution	RT	1 year	
E3LI#	Lithium 1000 ppm PrimAg element reference solution	RT	2 years	
SI49#	Lithium 1000 ppm PrimAg ion reference solution	RT	1 year	
N7LI#	Lithium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3LU#	Lutetium 1000 ppm PrimAg element reference solution	RT	2 years	
SE93#	Magnesium 100 ppm PrimAg element reference solution	RT	1 year	
E3MG#	Magnesium 1000 ppm PrimAg element reference solution	RT	2 years	
SE08#	Magnesium 1000 ppm PrimAg element reference solution (HCl matrix)	RT	1 year	
SI50#	Magnesium 1000 ppm PrimAg ion reference solution	RT	1 year	
SE100#	Magnesium 5,000 ppm PrimAg element reference concentrate	RT	1 year	
N7MG#	Magnesium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3MLT#	Malate 1000 ppm PrimAg ion reference solution	RT	2 years	
E3MAL#	Maleate 1000 ppm PrimAg ion reference solution	RT	2 years	
E3MON#	Malonate 1000 ppm PrimAg ion reference solution	RT	2 years	
SE114#	Manganese 1 ppm PrimAg element reference solution	RT	1 year	
SE33#	Manganese 10 ppm PrimAg element reference solution	RT	1 year	
SE16#	Manganese 100 ppm PrimAg element reference solution	RT	1 year	
E3MN#	Manganese 1000 ppm PrimAg element reference solution	RT	2 years	
SI51#	Manganese 1000 ppm PrimAg ion reference solution	RT	1 year	
N7MN#	Manganese 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE129#	Mercury 0.08 ppm PrimAg element reference solution (mercury(II) chloride/HCl matrix)	RT	1 year	
SE47#	Mercury 0.1 ppm PrimAg element reference solution	RT	1 year	
SE115#	Mercury 1 ppm PrimAg element reference solution	RT	1 year	
SE02#	Mercury 10 ppm PrimAg element reference solution	RT	1 year	
SE96#	Mercury 50 ppm PrimAg element reference solution	RT	1 year	

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Code	Description	Storage	Shelf Life	Opened
SE81#	Mercury 100 ppm PrimAg element reference solution	RT	1 year	
SE44#	Mercury 100 ppm PrimAg element reference solution (mercury(II) chloride/HCl matrix)	RT	1 year	
E3HG#	Mercury 1000 ppm PrimAg element reference solution	RT	2 years	
N7HG#	Mercury 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3MSP#	Methanesulphonate 1000 ppm PrimAg ion reference solution	RT	2 years	
SE67#	Molybdenum 100 ppm PrimAg element reference solution	RT	1 year	
E3MO#	Molybdenum 1000 ppm PrimAg element reference solution	RT	2 years	
SE06#	Molybdenum 1000 ppm PrimAg element reference solution (HCl matrix)	RT	1 year	
N7MO#	Molybdenum 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3ND#	Neodymium 1000 ppm PrimAg element reference solution	RT	2 years	
N7ND#	Neodymium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE116#	Nickel 1 ppm PrimAg element reference solution	RT	1 year	
SE34#	Nickel 10 ppm PrimAg element reference solution	RT	1 year	
SE65#	Nickel 100 ppm PrimAg element reference solution	RT	1 year	
E3NI#	Nickel 1000 ppm PrimAg element reference solution	RT	2 years	
SI52#	Nickel 1000 ppm PrimAg ion reference solution	RT	1 year	
N7NI#	Nickel 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3NB#	Niobium 1000 ppm PrimAg element reference solution	RT	2 years	
N7NB#	Niobium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SI13#	Nitrate 100 ppm PrimAg ion reference solution	FD	1 year	
E3NO3#	Nitrate 1000 ppm PrimAg ion reference solution	FD	1 year	
E3NIT#	Nitrate 1000 ppm PrimAg ion reference solution (nitric acid)	RT	2 years	
N7NO3#	Nitrate 10,000 ppm PrimAg ion reference concentrate	FD	1 year	
E3NAN#	Nitrate-N 1000 ppm PrimAg ion reference solution	FD	1 year	
N7NAN#	Nitrate-N 10,000 ppm PrimAg ion reference concentrate	FD	1 year	
SI64#	Nitrite 10 ppm PrimAg ion reference solution	RT	1 year	
SI11#	Nitrite 100 ppm PrimAg ion reference solution	RT	1 year	
E3NO2#	Nitrite 1000 ppm PrimAg ion reference solution	RT	2 years	
N7NO2#	Nitrite 10,000 ppm PrimAg ion reference concentrate	RT	2 years	
E3NIN#	Nitrite-N 1000 ppm PrimAg ion reference solution	RT	2 years	
SE10#	Osmium 100 ppm PrimAg element reference solution	RT	1 year	
E3OS#	Osmium 1000 ppm PrimAg element reference solution	RT	2 years	
E3OXA#	Oxalate 1000 ppm PrimAg ion reference solution	RT	2 years	
E3PD#	Palladium 1000 ppm PrimAg element reference solution	RT	2 years	
N7PD#	Palladium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3PCH#	Perchlorate 1000 ppm PrimAg ion reference solution	RT	2 years	
SI14#	Phosphate 100 ppm PrimAg ion reference solution	RT	1 year	
E3PO4#	Phosphate 1000 ppm PrimAg ion reference solution	RT	2 years	
SI17#	Phosphate 1000 ppm PrimAg ion reference solution (potassium salt)	RT	1 year	
SI42#	Phosphate-P 100 ppm PrimAg ion reference solution	RT	1 year	
E3PHP#	Phosphate-P 1000 ppm PrimAg ion reference solution	RT	2 years	
SI18#	Phosphate-P 1000 ppm PrimAg ion reference solution (potassium salt)	RT	1 year	
N7PHP#	Phosphate-P 10,000 ppm PrimAg ion reference concentrate	RT	2 years	
SI70#	Phosphate-P 10,000 ppm PrimAg ion reference concentrate (potassium salt)	RT	1 year	
SE83#	Phosphorus 100 ppm PrimAg element reference solution	RT	1 year	
E3P#	Phosphorus 1000 ppm PrimAg element reference solution	RT	2 years	
N7P#	Phosphorus 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE90#	Phosphorus 50,000 ppm PrimAg element reference concentrate	RT	1 year	
E3PTH#	Phthalate 1000 ppm PrimAg ion reference solution	RT	2 years	
E3PIV#	Pivalate 1000 ppm PrimAg ion reference solution	RT	2 years	
E3PT#	Platinum 1000 ppm PrimAg element reference solution	RT	2 years	

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Code	Description	Storage	Shelf Life	Opened
N7PT#	Platinum 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE117#	Potassium 1 ppm PrimAg element reference solution	RT	1 year	
SE14#	Potassium 100 ppm PrimAg element reference solution	RT	1 year	
E3K#	Potassium 1000 ppm PrimAg element reference solution	RT	2 years	
SI53#	Potassium 1000 ppm PrimAg ion reference solution	RT	1 year	
SE99#	Potassium 5,000 ppm PrimAg element reference concentrate	RT	1 year	
N7K#	Potassium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3PR#	Praseodymium 1000 ppm PrimAg element reference solution	RT	2 years	
E3PRO#	Propionate 1000 ppm PrimAg ion reference solution	RT	2 years	
SE76#	Rhenium 100 ppm PrimAg element reference solution	RT	1 year	
E3RE#	Rhenium 1000 ppm PrimAg element reference solution	RT	2 years	
SE118#	Rhodium 1 ppm PrimAg element reference solution	RT	1 year	
SE128#	Rhodium 100 ppm PrimAg element reference solution	RT	1 year	
E3RH#	Rhodium 1000 ppm PrimAg element reference solution	RT	2 years	
E3RB#	Rubidium 1000 ppm PrimAg element reference solution	RT	2 years	
E3RU#	Ruthenium 1000 ppm PrimAg element reference solution	RT	2 years	
E3SM#	Samarium 1000 ppm PrimAg element reference solution	RT	2 years	
SE119#	Scandium 1 ppm PrimAg element reference solution	RT	1 year	
SE127#	Scandium 100 ppm PrimAg element reference solution	RT	1 year	
E3SC#	Scandium 1000 ppm PrimAg element reference solution	RT	2 years	
SE120#	Selenium 1 ppm PrimAg element reference solution	RT	1 year	
SE49#	Selenium 5 ppm PrimAg element reference solution	RT	1 year	
SE60#	Selenium 10 ppm PrimAg element reference solution	RT	1 year	
SE66#	Selenium 100 ppm PrimAg element reference solution	RT	1 year	
E3SE#	Selenium 1000 ppm PrimAg element reference solution	RT	2 years	
N7SE#	Selenium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SI65#	Silica 0.2 ppm PrimAg reference solution	RT	1 year	
SI30#	Silica 1 ppm PrimAg reference solution	RT	1 year	
SI66#	Silica 3 ppm PrimAg reference solution	RT	1 year	
SI67#	Silica 5 ppm PrimAg reference solution	RT	1 year	
SI29#	Silica 10 ppm PrimAg reference solution	RT	1 year	
SI68#	Silica 20 ppm PrimAg reference solution	RT	1 year	
SI33#	Silica 100 ppm PrimAg reference solution	RT	1 year	
E3SIL#	Silica 1000 ppm PrimAg reference solution	RT	2 years	
SE86#	Silicon 1 ppm PrimAg element reference solution	RT	1 year	
SE131#	Silicon 10 ppm PrimAg element reference solution	RT	1 year	
SE91#	Silicon 500 ppm PrimAg element reference solution	RT	1 year	
E3SI#	Silicon 1000 ppm PrimAg element reference solution	RT	2 years	
SE88#	Silicon 1000 ppm PrimAg element reference solution (HNO ₃ matrix)	RT	1 year	
SE48#	Silicon 1000 ppm PrimAg element reference solution (sodium metasilicate solution)	RT	1 year	
N7SI#	Silicon 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE121#	Silver 1 ppm PrimAg element reference solution	RT	1 year	
SE41#	Silver 100 ppm PrimAg element reference solution	RT	1 year	
E3AG#	Silver 1000 ppm PrimAg element reference solution	RT	2 years	
N7AG#	Silver 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE51#	Sodium 10 ppm PrimAg element reference solution	RT	1 year	
SE13#	Sodium 100 ppm PrimAg element reference solution	RT	1 year	
SE130#	Sodium 150 ppm PrimAg element reference solution	RT	1 year	
E3NA#	Sodium 1000 ppm PrimAg element reference solution	RT	2 years	
SI54#	Sodium 1000 ppm PrimAg ion reference solution	RT	1 year	
N7NA#	Sodium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE101#	Sodium 50,000 ppm PrimAg element reference concentrate	RT	1 year	
E3SR#	Strontium 1000 ppm PrimAg element reference solution	RT	2 years	
SI55#	Strontium 1000 ppm PrimAg ion reference solution	RT	1 year	

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ROMIL PrimAg® Mono-Component Reference Solutions

Code	Description	Storage	Shelf Life	Opened
SE07#	Strontium 1000 ppm PrimAg element reference solution (HCl matrix)	RT	1 year	
N7SR#	Strontium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3SUC#	Succinate 1000 ppm PrimAg ion reference solution	RT	2 years	
SI12#	Sulphate 100 ppm PrimAg ion reference solution	RT	1 year	
SI27#	Sulphate 500 ppm PrimAg ion reference solution	RT	1 year	
E3SO4#	Sulphate 1000 ppm PrimAg ion reference solution	RT	2 years	
N7SO4#	Sulphate 10,000 ppm PrimAg ion reference concentrate	RT	2 years	
SI35#	Sulphate 50,000 ppm PrimAg ion reference concentrate	RT	1 year	
E3SUS#	Sulphate-S 1000 ppm PrimAg ion reference solution	RT	2 years	
SE84#	Sulphur 100 ppm PrimAg element reference solution	RT	1 year	
E3S#	Sulphur 1000 ppm PrimAg element reference solution	RT	2 years	
SE01#	Sulphur 1000 ppm PrimAg element reference solution (sodium sulphate solution)	RT	1 year	
N7S#	Sulphur 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3TA#	Tantalum 1000 ppm PrimAg element reference solution	RT	2 years	
N7TA#	Tantalum 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3TAR#	Tartrate 1000 ppm PrimAg ion reference solution	RT	2 years	
SE69#	Tellurium 100 ppm PrimAg element reference solution	RT	1 year	
E3TE#	Tellurium 1000 ppm PrimAg element reference solution	RT	2 years	
SE77#	Terbium 100 ppm PrimAg element reference solution	RT	1 year	
E3TB#	Terbium 1000 ppm PrimAg element reference solution	RT	2 years	
SE122#	Thallium 1 ppm PrimAg element reference solution	RT	1 year	
SE68#	Thallium 100 ppm PrimAg element reference solution	RT	1 year	
E3TL#	Thallium 1000 ppm PrimAg element reference solution	RT	2 years	
E3SCN#	Thiocyanate 1000 ppm PrimAg ion reference solution	RT	2 years	
E3SSA#	Thiosulphate 1000 ppm PrimAg ion reference solution	RT	1 year	
E3TH#	Thorium 1000 ppm PrimAg element reference solution	RT	2 years	
E3TM#	Thulium 1000 ppm PrimAg element reference solution	RT	2 years	
SE123#	Tin 1 ppm PrimAg element reference solution	RT	1 year	
SE42#	Tin 10 ppm PrimAg element reference solution	RT	1 year	
SE71#	Tin 100 ppm PrimAg element reference solution	RT	1 year	
E3SN#	Tin 1000 ppm PrimAg element reference solution	RT	2 years	
E3SNF#	Tin 1000 ppm PrimAg element reference solution (HNO ₃ /HF matrix)	RT	2 years	
N7SN#	Tin 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE95#	Titanium 200 ppm PrimAg element reference solution (H ₂ SO ₄ matrix)	RT	1 year	
E3TI#	Titanium 1000 ppm PrimAg element reference solution	RT	2 years	
N7TI#	Titanium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE89#	Tungsten 500 ppm PrimAg element reference solution	RT	1 year	
E3W#	Tungsten 1000 ppm PrimAg element reference solution	RT	2 years	
N7W#	Tungsten 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE52#	Tungsten 10,000 ppm PrimAg element reference concentrate low in zinc	RT	1 year	
E3U#	Uranium 1000 ppm PrimAg element reference solution	RT	2 years	
N7U#	Uranium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE124#	Vanadium 1 ppm PrimAg element reference solution	RT	1 year	
SE50#	Vanadium 5 ppm PrimAg element reference solution	RT	1 year	
SE35#	Vanadium 10 ppm PrimAg element reference solution	RT	1 year	
E3V#	Vanadium 1000 ppm PrimAg element reference solution	RT	2 years	
N7V#	Vanadium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3YB#	Ytterbium 1000 ppm PrimAg element reference solution	RT	2 years	
SE125#	Yttrium 1 ppm PrimAg element reference solution	RT	1 year	
E3Y#	Yttrium 1000 ppm PrimAg element reference solution	RT	2 years	
N7Y#	Yttrium 10,000 ppm PrimAg element reference concentrate	RT	2 years	
SE126#	Zinc 1 ppm PrimAg element reference solution	RT	1 year	

Recommended Shelf Life

ROMIL PrimAg® Mono-Component Reference Solutions

Code	Description	Storage	Shelf Life	Opened
SE36#	Zinc 10 ppm PrimAg element reference solution	RT	1 year	
SE80#	Zinc 100 ppm PrimAg element reference solution	RT	1 year	
E3ZN#	Zinc 1000 ppm PrimAg element reference solution	RT	2 years	
SI56#	Zinc 1000 ppm PrimAg ion reference solution	RT	1 year	
N7ZN#	Zinc 10,000 ppm PrimAg element reference concentrate	RT	2 years	
E3ZR#	Zirconium 1000 ppm PrimAg element reference solution	RT	2 years	
N7ZR#	Zirconium 10,000 ppm PrimAg element reference concentrate	RT	2 years	

Code	Storage Temperature & Conditions
RT	Store at 15-25 °C (room temperature)
RD	Store at 15-25 °C in dark (room temperature)
FR	Store at 2-8 °C (fridge)
FD	Store at 2-8 °C in dark (fridge)
FZ	Store at -10 to -25 °C (freezer)
DI	Store at -70 °C (dry ice)

Shelf Life (or Certificate Validity) period after opening must run within the unopened period otherwise it should be reduced accordingly.

For more information see www.romil.com/products/shelf-lives/

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