

Section 12 Solution Standard

Number	Name	Nominal Composition(µg/mL)	Medium	Unit Size (mL)
NCS AH 11401	Lithium	1000	HCl(10%)	50
NCS AH 11402	Beryllium	1000	HNO ₃ (10%)	50
NCS AH 11403	Boron	1000	H ₂ O	50
NCS AH 11404	Sodium	1000	H ₂ O	50
NCS AH 11405	Magnesium	1000	HCl(5%)	50
NCS AH 11406	Aluminum	1000	HCl(10%)	50
NCS AH 11407	Silicon	1000	Na ₂ CO ₃	50
NCS AH 11408	Phosphorus(NH ₄)	1000	H ₂ O	50
NCS AH 11409	Phosphorus(K)	1000	H ₂ O	50
NCS AH 11410	Sulfur	1000	H ₂ O	50
NCS AH 11411	Potassium	1000	H ₂ O	50
NCS AH 11412	Calcium	1000	HCl(5%)	50
NCS AH 11413	Scandium	1000	HNO ₃ (20%)	50
NCS AH 11414	Titanium	1000	H ₂ SO ₄ (10%)	50
NCS AH 11415	Vanadium	1000	H ₂ SO ₄ (10%)	50
NCS AH 11416	Vanadium	1000	HCl(10%)	50
NCS AH 11417	Cromium	1000	HCl(10%)	50
NCS AH 11418	Manganese	1000	H ₂ SO ₄ (5%)	50
NCS AH 11419	Manganese	1000	HNO ₃ (10%)	50
NCS AH 11420	Iron	1000	HCl(10%)	50
NCS AH 11421	Cobalt	1000	HNO ₃ (5%)	50
NCS AH 11422	Nickel	1000	HNO ₃ (5%)	50
NCS AH 11423	Copper	1000	H ₂ SO ₄ (5%)	50
NCS AH 11424	Copper	1000	HCl(10%)	50
NCS AH 11425	Zinc	1000	HCl(10%)	50
NCS AH 11426	Gallium	1000	HCl(10%)	50
NCS AH 11427	Arsenic	1000	H ₂ SO ₄ (5%)	50
NCS AH 11428	Arsenic	1000	HCl(10%)	50
NCS AH 11429	Selenium	1000	HCl(10%)	50
NCS AH 11430	Rubidium	1000	HNO ₃ (5%)	50
NCS AH 11431	Strontium	1000	H ₂ O	50
NCS AH 11432	Yttrium	1000	HCl(10%)	50
NCS AH 11433	Zirconium	1000	HCl(10%)	50
NCS AH 11434	Niobium	1000	HF(5%)	50
NCS AH 11435	Molybdenum	1000	H ₂ SO ₄ (5%)	50
NCS AH 11437	Rhodium	1000	HNO ₃ (10%)	50
NCS AH 11438	Palladium	1000	HCl(10%)	50
NCS AH 11439	Silver	1000	HNO ₃ (5%)	50
NCS AH 11440	Cadmium	1000	HCl(10%)	50
NCS AH 11441	Indium	1000	HCl(10%)	50
NCS AH 11442	Tin	1000	HCl(20%)	50
NCS AH 11443	Antimony	1000	H ₂ SO ₄ (25%)	50
NCS AH 11445	Cesium	1000	HNO ₃ (5%)	50
NCS AH 11446	Beryllium	1000	HCl(10%)	50
NCS AH 11447	Lanthanum	1000	HCl(10%)	50
NCS AH 11448	Cerium	1000	HNO ₃ (10%)	50
NCS AH 11449	Praseodymium	1000	HCl(10%)	50
NCS AH 11450	Neodymium	1000	HCl(10%)	50

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Number	Name	Nominal Consistence(µg/mL)			Medium	Unit Size (mL)		
NCS AH 11451	Samarium	1000			HCl(10%)	50		
NCS AH 11452	Europium	1000			HCl(10%)	50		
NCS AH 11453	Gadolinium	1000			HCl(10%)	50		
NCS AH 11454	Terbium	1000			HCl(10%)	50		
NCS AH 11455	Dysprosium	1000			HCl(10%)	50		
NCS AH 11456	Holmium	1000			HCl(10%)	50		
NCS AH 11457	Erbium	1000			HCl(10%)	50		
NCS AH 11458	Thulium	1000			HCl(10%)	50		
NCS AH 11459	Yttrium	1000			HCl(10%)	50		
NCS AH 11460	Latetium	1000			HCl(10%)	50		
NCS AH 11461	Hafnium	1000			H ₂ SO ₄ (10%)	50		
NCS AH 11462	Tantalum	1000			HF(20%)	50		
NCS AH 11463	Tungsten	1000			NaOH(2%)	50		
NCS AH 11464	Rhenium	1000			HCl(10%)	50		
NCS AH 11466	Iridium	1000			HCl(10%)	50		
NCS AH 11467	Platinum	1000			HCl(10%)	50		
NCS AH 11468	Gold	1000			HCl(10%)	50		
NCS AH 11469	Mercury	1000			HNO ₃ (5%)	50		
NCS AH 11470	Thallium	1000			HNO ₃ (20%)	50		
NCS AH 11471	Lead	1000			HNO ₃ (10%)	50		
NCS AH 11472	Bismuth	1000			HNO ₃ (10%)	50		
NCS AH 11473	Germanium	1000			H ₂ O	50		
Number	Name	Nominal Consistence(µg/g)			Unit Size (in mL)			
NCS AH 76401	Lead in Water	1.00				20or100		
NCS AH 76402	Cadmium in Water	0.100				20or100		
NCS AH 76403	Mercury in Water	0.010				20or50		
NCS AH 76404	Fluoride in Water	1.00				100		
NCS AH 76404	Arsenic in Water	0.50				20or100		
Number	Name	Cl ⁻	NO ₃ ⁻	SO ₄ ²⁻	Nominal Consistence(µg/g)	Unit Size (in mL)		
NCS AH 76406	Anions in Water	22.0	4.50	38.0	1000	20or100		
Number	Name	Cd	Pb	Cu	Cr	Zn	Ni	Unit Size (in mL)
NCS AH 76407	Matal in Water	0.100	1.00	1.00	0.500	5.00	0.500	20or100
NCS AH 76408	Matal in Water	10.0*	50*	30*	50*	90*	60*	20or100
* Unit Cerfified Value of the element is ng/g.								
Number	Name	Concentration(µg/g)			Unit Size (in mL)			
NCS AH 76409	Silver in Water	1000				20		
NCS AH 76410	Arsenic in Water	1000				20		
NCS AH 76411	Cadmium in Water	1000				20		
NCS AH 76412	Cobalt in Water	1000				20		
NCS AH 76413	Chromium in Water	1000				20		
NCS AH 76414	Copper in Water	1000				20		
NCS AH 76415	Iron in Water	1000				20		
NCS AH 76416	Mercury in Water	1000				20		
NCS AH 76417	Nickled in Water	1000				20		
NCS AH 76418	Lead in Water	1000				20		
NCS AH 76419	Zinc in Water	1000				20		

Section 12 Solution Standard

Number	Name	Mass Fraction of Substance(10^{-6})	Unit Size (in mL)
NCS AH 76423	Gold Solution	100.0	20
NCS AH 76424	Lanthanum Solution	982.3	20
NCS AH 76425	Cerium Solution	951.5	20
NCS AH 76426	Samarium Solution	982.3	20
NCS AH 76427	Europium Solution	982.3	20
NCS AH 76428	Ytterbium Solution	982.3	20
NCS AH 76429	Lutetium Solution	982.3	20
NCS AH 76430	Yttrium Solution	982.3	20
Number	Name	Range Concentration(mg/L)	Unit Size (mL)
NCS AH 85401	Arsenic	0.1~0.8	20
NCS AH 85402	Ammonia Nitrogen	0.5~5	20
NCS AH 85403	Nitrite Nitrogen	0.05~0.2	20
NCS AH 85404	Nitrate Nitrogen	0.5~5	20
NCS AH 85405	Cu,Pb,Zn,Cd,Ni,Cr	Cu0.5~2,Pb0.5~2,Zn0.1~1,Cd0.1~1,Ni0.1~2,Cr0.1~2	20
NCS AH 85406	F, Cl^- , SO_4^{2-}	F0.2~5,Cl $^-$ 0.5~100, SO_4^{2-} 5~100	20
NCS AH 85407	Copper	0.01~2	20
NCS AH 85408	Lead	0.01~2	20
NCS AH 85409	Zinc	0.01~2	20
NCS AH 85140	Cadmium	0.01~2	20
NCS AH 85141	Nickel	0.1~2	20
NCS AH 85412	Chromium	0.1~2	20
NCS AH 85413	Fluorine	0.2~5	20
NCS AH 85414	Chlorine	0.01~100	20
NCS AH 85415	Sulfate	0.1~100	20
NCS AH 85416	Mercury	6~20($\mu\text{g}/\text{L}$)	20
NCS AH 85417	Total Cyanide	0.05~1	20
NCS AH 85418	Fe,Mn	0.01~2	20
NCS AH 85419	K,Na,Ca,Mg	K0.1~0.5,Na0.1~5,Ca0.1~10,Mg0.1~5	20
NCS AH 85420	Potassium	0.1~5	20
NCS AH 85421	Sodium	0.1~5	20
NCS AH 85422	Calcium	0.1~10	20
NCS AH 85423	Magnesium	0.2~5	20
NCS AH 85424	Iron	0.1~5	20
NCS AH 85425	Manganese	0.1~5	20
NCS AH 85426	Total Nitrogen	1~8	20
NCS AH 85427	Vanadium	0.1~1	20
NCS AH 85428	Cobalt	0.05~1	20
NCS AH 85429	Selenium	0.01~1	20
NCS AH 85430	Molybdenum	0.05~1	20
NCS AH 85431	Cr^{6+}	0.01~5	20
NCS AH 85432	Phosphrate	0.05~5	20
NCS AH 85433	Total Phosphorous	0.05~5	20
NCS AH 85434	Barium	0.2~2	20
NCS AH 85435	Silver	0.2~1	20
NCS AH 85436	Antimony	0.5~2	20
NCS AH 85437	Aluminum	0.05~2	20
NCS AH 85438	Beryllium	5~20($\mu\text{g}/\text{L}$)	20
NCS AH 85439	Lithium	0.2~2.0	20
NCS AH 85440	Strontium	0.3~10	20
NCS AH 85441	Bromine	0.5~3	20