

Product Specification

Hexavalent Chromium ICP Standard, 1000 ppm Cr⁶⁺ in 3% HNO₃

Lot Number: SAMPLE

Product Number: PCR61KN

Manufacture Date: N/A

Expiration Date: N/A

The certified value for this product is confirmed in independent testing by a second qualified chemist. The uncertainty associated with the certified value is ± 0.5% relative, which is the sum of the estimated errors due to the purity of the raw material, the volumetric preparation of the solution, and transpiration of the solution through the container wall.

The final solution concentration is confirmed by AA, ICP, or ICP-MS, and is traceable to NIST Standard Reference Material 3112a. All trace level elements were determined by ICP or ICP-MS.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Ammonium Dichromate	7789-09-5	High Purity

Test	Specification	Result	NIST SRM#
Appearance	Yellow liquid	N/A	
Assay (vs. Sodium Thiosulfate/Starch)	995-1005 ppm Cr	N/A	136

Trace Elements by ICP or ICP - MS

I=Spectral Interference N=Not Tested

All values reported in mg/L (ppm)

Aluminum (Al)	N/A	Lithium (Li)	N/A	Tantalum (Ta)	N/A
Antimony (Sb)	N/A	Lutetium (Lu)	N/A	Tellurium (Te)	N/A
Arsenic (As)	N/A	Magnesium (Mg)	N/A	Terbium (Tb)	N/A
Barium (Ba)	N/A	Manganese (Mn)	N/A	Thallium (Tl)	N/A
Beryllium (Be)	N/A	Mercury (Hg)	N/A	Thorium (Th)	N/A
Bismuth (Bi)	N/A	Molybdenum (Mo)	N/A	Thulium (Tm)	N/A
Boron (B)	N/A	Neodymium (Nd)	N/A	Tin (Sn)	N/A
Cadmium (Cd)	N/A	Nickel (Ni)	N/A	Titanium (Ti)	N/A
Calcium (Ca)	N/A	Niobium (Nb)	N/A	Tungsten (W)	N/A
Cerium (Ce)	N/A	Osmium (Os)	N/A	Uranium (U)	N/A
Cesium (Cs)	N/A	Palladium (Pd)	N/A	Vanadium (V)	N/A
Cobalt (Co)	N/A	Phosphorus (P)	N/A	Ytterbium (Yb)	N/A
Copper (Cu)	N/A	Platinum (Pt)	N/A	Yttrium (Y)	N/A
Dysprosium (Dy)	N/A	Potassium (K)	N/A	Zinc (Zn)	N/A
Erbium (Er)	N/A	Praseodymium (Pr)	N/A	Zirconium (Zr)	N/A
Europium (Eu)	N/A	Rhenium (Re)	N/A		
Gadolinium (Gd)	N/A	Rhodium (Rh)	N/A		
Gallium (Ga)	N/A	Rubidium (Rb)	N/A		
Germanium (Ge)	N/A	Ruthenium (Ru)	N/A		
Gold (Au)	N/A	Samarium (Sm)	N/A		
Hafnium (Hf)	N/A	Scandium (Sc)	N/A		
Holmium (Ho)	N/A	Selenium (Se)	N/A		
Indium (In)	N/A	Silicon (Si)	N/A		
Iridium (Ir)	N/A	Silver (Ag)	N/A		
Iron (Fe)	N/A	Sodium (Na)	N/A		
Lanthanum (La)	N/A	Strontium (Sr)	N/A		
Lead (Pb)	N/A	Sulfur (S)	N/A		

