

SEASTAR™ Instrument Quality		
Product Code	S010301	
	Maximum Specification	Typical Value
Assay (H ₂ SO ₄ , w/w):	93 - 98%	96%
Colour (APHA)	10	< 10
Analyte	Trace Impurities (in µg/g, ppm)	Trace Impurities (in µg/g, ppm)
Chloride (Cl)	0.7	< 0.7
Nitrate (NO ₃)	0.2	< 0.2
Total Phosphorus (P)	0.05	< 0.05
Substances reducing Permanganate (KMnO ₄)	20	< 20
Analyte	Trace Impurities (in ng/g, ppb)	Trace Impurities (in ng/g, ppb)
Aluminum (Al)	1	< 0.5
Antimony (Sb)	1	< 1
Arsenic (As)	0.5	< 0.5
Barium (Ba)	0.1	< 0.1
Beryllium (Be)	0.1	< 0.1
Bismuth (Bi)	0.1	< 0.1
Cadmium (Cd)	0.5	< 0.1
Calcium (Ca)	1	< 0.5
Cerium (Ce)	0.1	< 0.1
Cesium (Cs)	0.1	< 0.1
Chromium (Cr)	0.5	< 0.1
Cobalt (Co)	0.5	< 0.1
Copper (Cu)	0.5	< 0.1
Dysprosium (Dy)	0.1	< 0.1
Erbium (Er)	0.1	< 0.1
Europium (Eu)	0.1	< 0.1
Gadolinium (Gd)	0.1	< 0.1
Gallium (Ga)	0.1	< 0.1
Germanium (Ge)	1	< 0.1
Gold (Au)	0.5	< 0.1
Hafnium (Hf)	0.1	< 0.1
Holmium (Ho)	0.1	< 0.1
Indium (In)	0.1	< 0.1
Iron (Fe)	1	< 0.5
Lanthanum (La)	0.1	< 0.1
Lead (Pb)	0.1	< 0.1
Lithium (Li)	0.5	< 0.1
Lutetium (Lu)	0.1	< 0.1
Magnesium (Mg)	1	< 0.1
Manganese (Mn)	0.5	< 0.5
Mercury (Hg)	0.1	< 0.1
Molybdenum (Mo)	0.5	< 0.1
Neodymium (Nd)	0.1	< 0.1
Nickel (Ni)	0.5	< 0.1
Niobium (Nb)	0.1	< 0.1
Palladium (Pd)	Information Only	< 0.5
Platinum (Pt)	Information Only	< 0.5
Potassium (K)	1	< 0.5
Praseodymium (Pr)	0.1	< 0.1
Rhodium (Rh)	0.5	< 0.1
Rubidium (Rb)	0.5	< 0.1
Samarium (Sm)	0.1	< 0.1
Scandium (Sc)	0.1	< 0.1
Selenium (Se)	10	< 5
Silver (Ag)	1	< 0.1
Sodium (Na)	1	< 0.5
Strontium (Sr)	0.5	< 0.1
Tantalum (Ta)	Information Only	< 0.5
Tellurium (Te)	0.1	< 0.1
Terbium (Tb)	0.1	< 0.1
Thallium (Tl)	0.1	< 0.1
Thorium (Th)	0.1	< 0.1
Thulium (Tm)	0.1	< 0.1
Tin (Sn)	1	< 0.1
Titanium (Ti)	1	< 0.5
Tungsten (W)	0.5	< 0.5
Uranium (U)	0.1	< 0.1
Vanadium (V)	0.5	< 0.1
Ytterbium (Yb)	0.1	< 0.1
Yttrium (Y)	0.1	< 0.1
Zinc (Zn)	1	< 0.2
Zirconium (Zr)	0.5	< 0.1