



Fisher Chemical

TRACEMETAL GRADE PERCHLORIC ACID SPECIFICATION

<i>Fisher Chemical</i>	Maximum Specifications		
TraceMetal Grade	TraceMetal Grade Perchloric Acid, A511		
Assay (HClO ₄ , w/w)	65 - 71%		
Colour (APHA)	10		
Analyte	Trace Impurities (in ppb)	Analyte	Trace Impurities (in ppb)
Aluminum (Al)	1	Neodymium (Nd)	0.5
Antimony (Sb)	0.5	Nickel (Ni)	1
Arsenic (As)	0.5	Niobium (Nb)	Information Only
Barium (Ba)	1	Palladium (Pd)	0.5
Beryllium (Be)	0.5	Platinum (Pt)	0.5
Bismuth (Bi)	0.5	Potassium (K)	1
Cadmium (Cd)		Praseodymium (Pr)	0.5
Calcium (Ca)		Rhodium (Rh)	0.5
Cerium (Ce)	0.5	Rubidium (Rb)	0.5
Cesium (Cs)	0.5	Samarium (Sm)	0.5
Cobalt (Co)	0.5	Scandium (Sc)	0.5
Copper (Cu)	0.5	Silver (Ag)	
Dysprosium (Dy)	0.5	Sodium (Na)	
Erbium (Er)	0.5	Strontium (Sr)	0.5
Europium (Eu)	0.5	Tantalum (Ta)	Information Only
Gadolinium (Gd)	0.5	Tellurium (Te)	0.5
Gallium (Ga)	0.5	Terbium (Tb)	0.5
Gold (Au)	0.5	Thallium (Tl)	0.5
Hafnium (Hf)	Information Only	Thorium (Th)	1
Holmium (Ho)	0.5	Thulium (Tm)	0.5
Indium (In)	0.5	Tin (Sn)	
Iron (Fe)	1	Titanium (Ti)	
Lanthanum (La)	0.5	Tungsten (W)	Information Only
Lead (Pb)	1	Uranium (U)	0.5
Lithium (Li)	0.5	Vanadium (V)	0.5
Lutetium (Lu)	0.5	Ytterbium (Yb)	0.5
Magnesium (Mg)		Yttrium (Y)	0.5
Manganese (Mn)		Zinc (Zn)	1
Molybdenum (Mo)	0.5	Zirconium (Zr)	0.5

HClO₄ (65 - 71%):
Properties

Molar Mass: 100.46g/mol

Density: 1.67 g/ml

Molarity: 12 moles/litre



Fisher Scientific
Part of Thermo Fisher Scientific

Fisher Scientific UK Limited
Bishop Meadow Road
Loughborough, Leics, LE11 5RG, UK

Tel: +44(0) 1509 231166
Fax: +44(0) 1509 231893
Web: www.fisher.co.uk
Email: info@fisher.co.uk