

Product Specification

Material 83871.330

Hydrochloric acid 34% NORMATOM for trace metal analysis

Characteristics	Specifications
Assay	34 --> 37 %
Colouration	Max. 10 APHA
Br (Bromide)	Max. 10 ppm
Total P (Phosphorus)	Max. 0,01 ppm
Total S (Sulphur)	Max. 0,3 ppm
Ag (Silver)	Max. 1 ppb
Al (Aluminium)	Max. 1 ppb
As (Arsenic)	Max. 0,5 ppb
Au (Gold)	Max. 0,5 ppb
B (Boron)	Max. 1 ppb
Ba (Barium)	Max. 0,1 ppb
Be (Beryllium)	Max. 0,1 ppb
Bi (Bismuth)	Max. 0,1 ppb
Ca (Calcium)	Max. 1 ppb
Cd (Cadmium)	Max. 0,1 ppb
Ce (Cerium)	Max. 0,1 ppb
Co (Cobalt)	Max. 0,1 ppb
Cr (Chromium)	Max. 0,5 ppb
Cs (Cesium)	Max. 0,1 ppb
Cu (Copper)	Max. 0,5 ppb
Dy (Dysprosium)	Max. 0,1 ppb
Er (Erbium)	Max. 0,1 ppb
Eu (Europium)	Max. 0,1 ppb
Fe (Iron)	Max. 1 ppb
Ga (Gallium)	Max. 0,1 ppb
Gd (Gadolinium)	Max. 0,1 ppb
Ge (Germanium)	Max. 0,1 ppb
Hf (Hafnium)	Max. 0,1 ppb
Hg (Mercury)	Max. 0,1 ppb
Ho (Holmium)	Max. 0,1 ppb
In (Indium)	Max. 0,1 ppb
K (Potassium)	Max. 1 ppb
La (Lanthanum)	Max. 0,1 ppb
Li (Lithium)	Max. 0,1 ppb
Lu (Lutetium)	Max. 0,1 ppb
Mg (Magnesium)	Max. 0,5 ppb

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Mn (Manganese)	Max. 0,1 ppb
Mo (Molybdenum)	Max. 0,1 ppb
Na (Sodium)	Max. 1 ppb
Nb (Niobium)	Max. 0,1 ppb
Nd (Neodymium)	Max. 0,1 ppb
Ni (Nickel)	Max. 0,5 ppb
Pb (Lead)	Max. 0,1 ppb
Pr (Praseodymium)	Max. 0,1 ppb
Rb (Rubidium)	Max. 0,1 ppb
Re (Rhenium)	Max. 0,1 ppb
Rh (Rhodium)	Max. 0,5 ppb
Ru (Ruthenium)	Max. 0,1 ppb
Sb (Antimony)	Max. 0,5 ppb
Sc (Scandium)	Max. 0,1 ppb
Se (Selenium)	Max. 1 ppb
Sm (Samarium)	Max. 0,1 ppb
Sn (Tin)	Max. 0,5 ppb
Sr (Strontium)	Max. 0,1 ppb
Tb (Terbium)	Max. 0,1 ppb
Te (Tellurium)	Max. 0,1 ppb
Th (Thorium)	Max. 0,1 ppb
Ti (Titanium)	Max. 0,5 ppb
Tl (Thallium)	Max. 0,1 ppb
Tm (Thulium)	Max. 0,1 ppb
U (Uranium)	Max. 0,1 ppb
V (Vanadium)	Max. 0,5 ppb
W (Tungsten)	Max. 0,1 ppb
Y (Yttrium)	Max. 0,1 ppb
Yb (Ytterbium)	Max. 0,1 ppb
Zn (Zinc)	Max. 1 ppb
Zr (Zirconium)	Max. 0,1 ppb

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We certify that this batch conforms to the specifications listed above.

BDL : Below detected limit.

Dr. Olaf C. Fehr,, Chief Scientist - Europe

VWR International

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