Product Specification

Material	83874.420
Material description	Perchloric acid 65%
Grade	NORMATOM for trace metal analysis
CAS Number	7601-90-3
Molecular formula	$HClO_4$
Molecular mass	100.46

Characteristics	Specifications
Assay	65 - 71 %
Colouration	≤ 10 APHA
Free chlorine	≤ 0.5 ppm
Ignition residue (SO4)	≤ 30 ppm
Total N (Nitrogen)	≤ 10 ppm
Cl (Chloride)	≤ 3 ppm
ClO3 (Chlorate)	≤ 10 ppm
PO4 + SiO4 (as SiO2)	≤ 5 ppm
SO4 (Sulphate)	≤ 10 ppm
Ag (Silver)	≤ 1 ppb
Al (Aluminium)	≤ 1 ppb
As (Arsenic)	≤ 0.5 ppb
Au (Gold)	≤ 0.5 ppb
Ba (Barium)	≤ 1 ppb
Be (Beryllium)	≤ 0.5 ppb
Bi (Bismuth)	≤ 0.5 ppb
Ca (Calcium)	≤ 1 ppb
Cd (Cadmium)	≤ 1 ppb
Ce (Cerium)	≤ 0.5 ppb
Co (Cobalt)	≤ 0.5 ppb
Cs (Cesium)	≤ 0.5 ppb
Cu (Copper)	≤ 0.5 ppb
Dy (Dysprosium)	≤ 0.5 ppb
Er (Erbium)	≤ 0.5 ppb
Eu (Europium)	≤ 0.5 ppb
Fe (Iron)	≤ 1 ppb
Ga (Gallium)	≤ 0.5 ppb
Gd (Gadolinium)	≤ 0.5 ppb

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For Professional use in Laboratory or Manufacturing. Not for use as an Active Pharmaceutical Ingredient or Food or Animal Feed. Suitability and intended use of the product remains the responsibility of the user.

Characteristics	Specifications
Ho (Holmium)	≤ 0.5 ppb
In (Indium)	≤ 0.5 ppb
K (Potassium)	≤ 1 ppb
La (Lanthanum)	≤ 0.5 ppb
Li (Lithium)	≤ 0.5 ppb
Lu (Lutetium)	≤ 0.5 ppb
Mg (Magnesium)	≤ 1 ppb
Mn (Manganese)	≤ 1 ppb
Mo (Molybdenum)	≤ 0.5 ppb
Na (Sodium)	≤ 1 ppb
Nd (Neodymium)	≤ 0.5 ppb
Ni (Nickel)	≤ 1 ppb
Pb (Lead)	≤ 1 ppb
Pd (Palladium)	≤ 0.5 ppb
Pr (Praseodymium)	≤ 0.5 ppb
Pt (Platinum)	≤ 0.5 ppb
Rb (Rubidium)	≤ 0.5 ppb
Rh (Rhodium)	≤ 0.5 ppb
Ru (Ruthenium)	≤ 0.5 ppb
Sb (Antimony)	≤ 0.5 ppb
Sc (Scandium)	≤ 0.5 ppb
Sm (Samarium)	≤ 0.5 ppb
Sn (Tin)	≤ 1 ppb
Sr (Strontium)	≤ 0.5 ppb
Tb (Terbium)	≤ 0.5 ppb
Te (Tellurium)	≤ 0.5 ppb
Th (Thorium)	≤ 1 ppb
Ti (Titanium)	≤ 1 ppb
Tl (Thallium)	≤ 0.5 ppb
Tm (Thulium)	≤ 0.5 ppb
U (Uranium)	≤ 0.5 ppb
V (Vanadium)	≤ 0.5 ppb
Y (Yttrium)	≤ 0.5 ppb
Yb (Ytterbium)	≤ 0.5 ppb
Zn (Zinc)	≤ 1 ppb
Zr (Zirconium)	≤ 0.5 ppb

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Product Specification

Signature

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

This document has been produced electronically and is valid without a signature.

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