Product Specification

Material	450021Y
Material description	Hydrochloric acid 37%
Grade	ARISTAR for trace analysis
CAS Number	7647-01-0
Molecular formula	HCl
Molecular mass	36.46

Characteristics	Specifications
Assay (acidimetric)	37.0 --> 38.0 %
Colouration	Max. 10 APHA
Free chlorine	Max. 0.5 ppm
Ignition residue (SO4)	Max. 2 ppm
Residue after evaporation	Max. 5 ppm
NH4 (Ammonium)	Max. 1 ppm
Br (Bromide)	Max. 50 ppm
PO4 (Phosphate)	Max. 0.1 ppm
SO3 (Sulphite)	Max. 0.5 ppm
SO4 (Sulphate)	Max. 0.5 ppm
Ag (Silver)	Max. 0.010 ppm
Al (Aluminium)	Max. 0.050 ppm
As (Arsenic)	Max. 0.010 ppm
Au (Gold)	Max. 0.020 ppm
B (Boron)	Max. 0.010 ppm
Ba (Barium)	Max. 0.005 ppm
Be (Beryllium)	Max. 0.010 ppm
Bi (Bismuth)	Max. 0.020 ppm
Ca (Calcium)	Max. 0.100 ppm
Cd (Cadmium)	Max. 0.003 ppm
Co (Cobalt)	Max. 0.005 ppm
Cr (Chromium)	Max. 0.005 ppm
Cu (Copper)	Max. 0.002 ppm
Fe (Iron)	Max. 0.050 ppm
Ga (Gallium)	Max. 0.020 ppm
Hg (Mercury)	Max. 0.001 ppm
In (Indium)	Max. 0.010 ppm
K (Potassium)	Max. 0.010 ppm

>>> Continued on page 2 >>>

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.

Product Specification

Characteristics	Specifications
Li (Lithium)	Max. 0.010 ppm
Mg (Magnesium)	Max. 0.020 ppm
Mn (Manganese)	Max. 0.005 ppm
Mo (Molybdenum)	Max. 0.005 ppm
Na (Sodium)	Max. 0.050 ppm
Ni (Nickel)	Max. 0.010 ppm
Pb (Lead)	Max. 0.002 ppm
Pt (Platinum)	Max. 0.010 ppm
Sn (Tin)	Max. 0.010 ppm
Sr (Strontium)	Max. 0.005 ppm
Ti (Titanium)	Max. 0.010 ppm
Tl (Thallium)	Max. 0.010 ppm
V (Vanadium)	Max. 0.005 ppm
Zn (Zinc)	Max. 0.010 ppm
Zr (Zirconium)	Max. 0.005 ppm

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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