Product Specification

Material	450094C
Material description	Hydrofluoric acid 48%
Grade	ARISTAR
CAS Number	7664-39-3
Molecular formula	HF
Molecular mass	20.01

Characteristics	Specifications
Assay (acidimetric)	Min. 48.0 %
Colour	Max. 10 APHA
Cl (Chloride)	Max. 0.2 ppm
SiF6 (Hexafluorosilicate)	Max. 50 ppm
NO3 (Nitrate)	Max. 5 ppm
PO4 (Phosphate)	Max. 0.1 ppm
SO4 (Sulphate)	Max. 0.5 ppm
SO3 (Sulphite)	Max. 0.5 ppm
As + Sb (as As)	Max. 0.01 ppm
Ag (Silver)	Max. 10.0 ppb
Al (Aluminium)	Max. 20.0 ppb
Au (Gold)	Max. 20.00 ppb
B (Boron)	Max. 10 ppb
Ba (Barium)	Max. 10.0 ppb
Be (Beryllium)	Max. 10.00 ppb
Bi (Bismuth)	Max. 50.00 ppb
Ca (Calcium)	Max. 100 ppb
Cd (Cadmium)	Max. 10.0 ppb
Co (Cobalt)	Max. 10.00 ppb
Cr (Chromium)	Max. 10.0 ppb
Cu (Copper)	Max. 10.0 ppb
Fe (Iron)	Max. 100 ppb
Ga (Gallium)	Max. 10.00 ppb
Ge (Germanium)	Max. 50.00 ppb
In (Indium)	Max. 10 ppb
K (Potassium)	Max. 50.00 ppb
Li (Lithium)	Max. 10.00 ppb
Mg (Magnesium)	Max. 50.0 ppb

>>> 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
Mn (Manganese)	Max. 20.0 ppb
Mo (Molybdenum)	Max. 20.00 ppb
Na (Sodium)	Max. 50.0 ppb
Ni (Nickel)	Max. 10.0 ppb
Pb (Lead)	Max. 10.0 ppb
Pt (Platinum)	Max. 50.00 ppb
Sn (Tin)	Max. 50.0 ppb
Sr (Strontium)	Max. 20.00 ppb
Ti (Titanium)	Max. 50 ppb
Tl (Thallium)	Max. 50.00 ppb
V (Vanadium)	Max. 10.00 ppb
Zn (Zinc)	Max. 50.0 ppb
Zr (Zirconium)	Max. 50.00 ppb
Ignition residue (SO4)	Max. 2 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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