

Product Specification

Meets ACS Reagent Chemical Requirements, Meets N.F. Requirements, Meets F.C.C. Requirements, GMP Manufactured Product

Test	Specification
NF – Assay (HCl)(NF)	36.5 – 38.0 %
NF – Bromide or Iodide	Passes Test
NF – Free Bromine or Chlorine	Passes Test
NF – Identification	Passes Test
NF – Residue on Ignition	≤ 0.008 %
NF – Sulfate (SO ₄)	Passes Test
NF – Sulfite (SO ₃)	Passes Test
FCC – Assay (HCl)(FCC)	36.5 – 38.0 %
FCC – Color (APHA)	Passes Test
FCC – Baume Degrees	22.7 – 23.4
FCC – Identification	Passes Test
FCC – Iron (Fe) (mg/kg)	≤ 5
FCC – Lead (Pb) (mg/kg)	≤ 1
FCC – Mercury (Hg)(mg/kg)	≤ 0.10
FCC – Nonvolatile Residue	≤ 0.5 %
Total Organic Compounds – Non-Fluorine Containing (mg/kg)	≤ 5
Total Organic Compounds – Benzene (mg/kg)	≤ 0.05
Total Organic Compounds – Fluorinated Organic Compounds(mg/kg)	≤ 25
Total Organic Compounds – Oxidizing Substances	≤ 0.003 %
Reducing Substances	≤ 0.007 %
Specific Gravity	1.1856 – 1.1924
Sulfate (SO ₄)	≤ 0.5 %
ACS – Assay (HCl)	36.5 – 38.0 %
ACS – Ammonium (NH ₄)	≤ 3 ppm
ACS – Arsenic (As)	≤ 0.01 ppm
ACS – Bromide (Br)	≤ 0.005 %
ACS – Color (APHA)	≤ 10
ACS – Extractable Organic Substances	≤ 5 ppm

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Test	Specification
ACS – Free Chlorine (as Cl)	≤ 1 ppm
ACS – Heavy Metals (as Pb)	≤ 1 ppm
Trace Impurities – ACS – Iron (Fe)	≤ 0.2 ppm
ACS – Residue after Ignition	≤ 5 ppm
ACS – Sulfate (SO ₄)	≤ 1 ppm
ACS – Sulfite (SO ₃)	≤ 1 ppm
Appearance	Passes Test

GMP Manufactured Product

Food GMP Manufactured Product

Bulk Food Chemical

Bulk Pharmaceutical Chemical

CAUTION: For Manufacturing, processing or repackaging

No Class 1,2,3 or other solvents are used or produced in the manufacturing or purification of the product.

Elemental Impurities (USP 232, EP 5.20) – Information on elemental impurities for this product is available on the associated Product Regulatory Data Sheet and elemental impurity profile report.

Storage Condition: Store below 25 °C.

Packaging Site: Phillipsburg Mfg Ctr & DC