



Material No.: 2062-04 Revision No.: 0

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 (HCI)(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 (HCI)	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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Hydrochloric Acid N.F., F.C.C., A.C.S.





Material No.: 2062-04

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

