

Hydrochloric Acid, N.F.  
Multi-Compendial  
(36.5–38.0%)



Material No.: 9544-03  
Revision No.: 0

## Product Specification

Meets B.P. Chemical Specifications, Meets J.P. Chemical Specifications, Meets N.F. Requirements, Meets E.P. Chemical Specifications, GMP Manufactured Product

Test	Specification
NF – Identification	Passes Test
NF – Residue on Ignition	$\leq 0,008 \%$
NF – Bromide or Iodide	Passes Test
NF – Free Bromine or Chlorine	Passes Test
NF – Sulfate (SO <sub>4</sub> )	Passes Test
NF – Sulfite (SO <sub>3</sub> )	Passes Test
NF – Assay (HCl)	36,5 – 38,0 %
EP/BP – Identification A	Passes Test
EP/BP – Identification B	Passes Test
EP/BP – Identification C	Passes Test
EP/BP – Appearance of Solution	Passes Test
EP/BP – Free Chlorine (as Cl <sub>2</sub> )	$\leq 4$ ppm
EP/BP – Sulfate (SO <sub>4</sub> )	$\leq 20$ ppm
EP/BP – Residue on Evaporation	$\leq 0,01 \%$
EP/BP – Assay (HCl)	35,0 – 39,0 %
JP – Assay (HCl)	35,0 – 38,0 %
JP – Identification	Passes Test
JP – Residue on ignition, mg/10mL	$\leq 1,0$
JP – Bromide or Iodide	Passes Test
JP – Bromine or Chlorine	Passes Test
JP – Sulfate (SO <sub>4</sub> )	Passes Test
JP – Sulfite (SO <sub>3</sub> )	Passes Test
JP – Arsenic (As)	$\leq 1$ ppm
JP – Heavy Metals (as Pb)	$\leq 5$ ppm
JP – Mercury (Hg)	$\leq 0,04$ ppm

For questions on this Product Specification please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC  
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

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Test

Specification

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GMP Manufactured Product

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

Jamie Ethier  
Vice President Global Quality

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