

Hydrochloric Acid, N.F.
Multi-Compendial

(36.5–38.0%)



Material No.: 9544-05
Batch No.: 0000170462
Manufactured Date: 2017/03/07
Retest Date: 2022/03/06

Certificate of Analysis

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

Test	Specification	Result
NF – Identification	Passes Test	PT
NF – Residue on Ignition	<= 0.008 %	< 0.005
NF – Bromide or Iodide	Passes Test	PT
NF – Free Bromine or Chlorine	Passes Test	PT
NF – Sulfate (SO ₄)	Passes Test	PT
NF – Sulfite (SO ₃)	Passes Test	PT
NF – Heavy Metals (as Pb)	<= 5 ppm	< 1
NF – Assay (HCl)	36.5 – 38.0 %	37.6
EP/BP – Identification A	Passes Test	PT
EP/BP – Identification B	Passes Test	PT
EP/BP – Identification C	Passes Test	PT
EP/BP – Appearance of Solution	Passes Test	PT
EP/BP – Free Chlorine (as Cl ₂)	<= 4 ppm	< 4
EP/BP – Sulfate (SO ₄)	<= 20 ppm	< 20
EP/BP – Heavy Metals (as Pb)	<= 2 ppm	< 2
EP/BP – Residue on Evaporation	<= 0.01 %	< 0.01
EP/BP – Assay (HCl)	35.0 – 39.0 %	37.5
JP – Assay (HCl)	35.0 – 38.0 %	37.6
JP – Identification	Passes Test	PT
JP – Residue on Ignition	<= 0.008 %	< 0.005
JP – Bromide or Iodide	Passes Test	PT
JP – Bromine or Chlorine	Passes Test	PT
JP – Sulfate (SO ₄)	Passes Test	PT

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.573.2600
Avantor Performance Materials, LLC.

3477 Corporate Parkway. Center Valley, PA 18034. U.S.A. Phone: 610.573.2600 . Fax: 610.573.2610

Test	Specification	Result
JP - Sulfite (SO ₃)	Passes Test	PT
JP - Arsenic (As)	<= 1 ppm	< 1
JP - Heavy Metals (as Pb)	<= 5 ppm	< 5
JP - Mercury (Hg)	<= 0.04 ppm	< 0.01

Bulk Pharmaceutical Chemical

CAUTION: For Manufacturing, processing or repackaging

No Class 1, 2 or 3 Residual Solvents are likely to be present by exclusion of the production/purification process.

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC
Manufacturer: PBG
Manufacturer source batch: 0000167690



Phillipsburg, NJ 9001:2008, 14001:2004, FSSC 22000
Paris, KY 9001:2008
Mexico City, Mexico 9001:2008
Deventer, The Netherlands 9001:2008, 14001:2004, 13485:2003
Gliwice, Poland 9001:2008, 13485:2012
Selangor, Malaysia 9001:2008
Dehradun, India, 9001:2008, 14001:2004, 13485:2003
Mumbai, India, 9001:2008
Panoli, India 9001:2008

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Jamie Ethier
Vice President Global Quality

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