



Material No.: 4933-06 Revision No.: 0

Product Specification

Meets B.P. Chemical Specifications, Meets E.P. Chemical Specifications, Meets J.P. Chemical Specifications, Meets U.S.P. Requirements, GMP Manufactured Product

Test	Specification	
USP – Assay (C ₆ H ₁₄ N ₂ O ₂ ·HCl) (dried basis	98.5 - 101.5 %	
USP - Identification	Passes Test	
USP – Specific Rotation [Å] ²⁵ ^D (+)	20.4 – 21.4 °	
USP – Loss on Drying at 105°C	≤ 0.4 %	
USP – Residue on Ignition	≤ 0.1 %	
USP - Sulfate (SO ₄)	≤ 0.03 %	
USP – Iron (Fe)	≤ 0.003 %	
USP – Related Compounds – Individual Imp	≤ 0.5 %	
USP - Related Compounds - Total Impuriti	≤ 2.0 %	
USP – Chloride (Cl)	19.0 - 19.6 %	
EP/BP - Assay (C ₆ H ₁₄ N ₂ O ₂ ·HCl) (dried bas	98.5 - 101.0 %	
EP/BP – Identification A	Passes Test	
EP/BP - Identification B	Passes Test	
EP/BP – Identification E	Passes Test	
EP/BP - Appearance of Solution	Passes Test	
EP/BP – Specific Rotation [Å] ^{2°} $^{\circ}D$ (+)	21.0 - 22.5 °	
EP/BP-Ninhydrin-Positive Substances-Each	≤ 0.2 %	
EP/BP-Ninhydrin-Positive Substances-Tota	≤ 1.0 %	
EP/BP - Sulfate (SO ₄)	≤ 300 ppm	
EP/BP - Ammonium (NH ₄)	≤ 0.02 %	
EP/BP - Iron (Fe)	≤ 30 ppm	
EP/BP - Loss on Drying at 105°C	≤ 0.5 %	
EP/BP - Ash (sulfated)	≤ 0.1 %	
JP – Assay (C6H14N2O2 · HCl) (dried basis)	98.5 - 101.0 %	
JP – Identification A	Passes Test	
JP – Identification B	Passes Test	
JP - Optical Rotation (+)	19.0 – 21.5 °	
JP - pH (1 in 10)	5.0 - 6.0	

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L-Lysine Hydrochloride Multi-Compendial





Material No.: 4933-06

Test	Specification	
JP – Clarity and Color of Solution	Passes Test	
JP – Sulfate (SO ₄)	≤ 0.028 %	
JP – Ammonium (NH4)	≤ 0.02 %	
JP – Heavy Metals (as Pb)	≤ 10 ppm	
JP – Arsenic (As)	≤ 2 ppm	
JP – Related Substances	Passes Test	
JP – Loss on Drying at 105°C	≤ 1.0 %	
JP – Residue on Ignition	≤ 0.10 %	
Endotoxin Concentration, IU/mg, For		

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.

Packaging Site: Paris Mfg Ctr & DC

