

Chem-Impex International, Inc.

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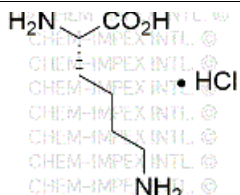
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Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	00203
Product	L-Lysine hydrochloride L-Lys-OH•HCl (S)-2,6-Diaminohexanoic acid monohydrochloride
CAS Number	657-27-2
Molecular Formula	$\text{C}_6\text{H}_{14}\text{N}_2\text{O}_2 \cdot \text{HCl}$
Molecular Weight	182.65

Appearance	White crystals or crystalline powder
Heavy Metals	≤ 15 ppm
Anion	Chloride (Cl^-) : 19.0 - 19.6% Sulfate (SO_4^{2-}) : $\leq 0.03\%$
Cation	Iron (Fe) : ≤ 30 ppm
Optical Rotation	$[\alpha]_D^{20} = 20.4 - 21.4^\circ$ (C=80 mg/mL in 6N HCl)
Infrared Spectrum	Conforms to structure
Loss on Drying	$\leq 0.4\%$ (105 °C, 3h)
Related Substances	Individual impurity : $\leq 0.5\%$ Total impurities : $\leq 2\%$
Residue On Ignition	$\leq 0.1\%$
Assay	98.5 - 101.5% (On dried basis)
Grade	Meets USP specification
Storage	Store at RT

For Laboratory Use Only