



Certificate of Analysis

L-LYSINE MONOHYDROCHLORIDE FEED GRADE

Synonyms: Lysine Hydrochloride; L-Lysine Hydrochloride

Molecular Formula: $C_6H_{14}N_2O_2HCl$
C.A.S Reg. No. [657-27-2]
Lot No.: JH040804
Manufacturing date: December 15, 2004

ITEMS	SPECIFICATIONS	RESULTS
Appearance	A white or light brown granule powder, odorless or light characteristic odor	Passes
Content (dry basis)	$\geq 98.5\%$	98.63%
Specific Rotation	$+18.0^\circ - +21.5^\circ$	$+20.14^\circ$
Loss on Drying	$\leq 1.0\%$	0.27%
Residue on Ignition	$\leq 0.3\%$	0.15%
Ammonium Salt	$\leq 0.04\%$	0.0017%
Heavy Metals (as pb)	$\leq 0.003\%$	Passes
Arsenic	$\leq 0.0002\%$	Passes

Note: The above information is based on Certificate of Analysis provided by our supplier and is not intended as a substitute for the strict quality control analysis by the purchaser of this product.