

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	07263
Lot Number	001192-180815
Product	L-Lysine hydrate L-Lys-OH•H ₂ O (S)-2,6-Diaminohexanoic acid monohydrate
CAS Number	39665-12-8
Molecular Formula	C ₆ H ₁₄ N ₂ O ₂ ·H ₂ O
Molecular Weight	164.2

Appearance	White or light yellow powder
Heavy Metals	< 10 ppm (as Pb)
Anion	Chloride (Cl ⁻): < 0.020% Sulfate (SO ₄ ²⁻): < 0.020%
Cation	Ammonium (NH ₄ ⁺): < 0.020% Iron (Fe): < 10 ppm Lead (Pb): < 3 ppm Mercury (Hg): < 0.1 ppm Cadmium (Cd): < 1 ppm Arsenic (As): < 1 ppm
Optical Rotation	[α] _D ²⁰ = + 25.9 °
Transmission	96.3%
Loss on Drying	10.7%
Other Amino Acids	< 0.50%
Residue On Ignition	0.06%
Assay by titration	99.53%
Storage	Store at RT

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager