



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalog Number	04-2034
Product Name	L-Lysine Monohydrate L-2,6-Diaminohexanoic acid Monohydrate
Lot Number	2117710441
CAS Registry Number	39665-12-8
Molecular Formula	$C_6H_{14}N_2O_2 \cdot H_2O$
Molecular Weight	164.2
Assay	99.5%
Specific Rotation (α^{20}_D)	+25.8° (8% HCl 6N)
Light Transmittance	99.7% (5% H ₂ O)
pH	10.5 H ₂ O, 25°C)
Loss on Drying	10.57%
Residue on Ignition	0.00%
Chloride (Cl)	<300ppm
Sulfate (SO ₄)	<200ppm
Ammonium (NH ₄)	<200ppm
Heavy Metals	<10ppm
Iron (Fe)	<10ppm
Arsenic	<1 ppm
Thin Layer Chromatography	No other amino acids: <0.5%