

INDOFINE CHEMICAL COMPANY, INC.
121 Stryker Lane, Bldg. 30
Hillsborough, NJ 08844
chemical@indofinechemical.com

Phone: (908) 359-6778

Fax: (908) 359-1179

SPECIFICATION SHEET

Cat No.: 04-2034

Product: **L-LYSINE HYDRATE**
L-Lys-OH . H₂O
(S)-2,6-Diaminohexanoic acid monohydrate

CAS Number: [39665-12-8]

Chemical Formula: C₆H₁₄N₂O₂•H₂O

Molecular Weight: 164.20

Appearance: White or yellow crystalline powder

Heavy Metals: <10 ppm (as Pb)

Trace Metal Analysis: Iron (Fe): <10 ppm

Arsenic (As₂O₂): <1 ppm

Optical Rotation: [α]_D²⁰ = +24 ± 3° (C=2 in 6N HCl)

Loss on Drying: 8-12%

Residue on Ignition: <0.10%

Storage: Room temperature

Purity: >99% Assay