



# INDOFINE Chemical Company, Inc.

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## *Certificate of Analysis*

Catalogue Number	04-2034
Lot Number	002781-20210405
Product	<b>L-Lysine hydrate</b>  L-Lys-OH•H <sub>2</sub> O  (S)-2,6-Diaminohexanoic acid monohydrate
CAS Number	39665-12-8
Molecular Formula	C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> •H <sub>2</sub> O
Molecular Weight	164.2
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Appearance	Light yellow powder
Heavy Metals	< 10 ppm (as Pb)
Anion	Chloride (Cl <sup>-</sup> ) : < 0.10%
Cation	Ammonium (NH <sub>4</sub> <sup>+</sup> ) : < 0.02% Iron (Fe) : < 10 ppm Arsenic (As) : < 1 ppm
Optical Rotation	[α] <sub>D</sub> <sup>20</sup> = 26 °
Loss on Drying	10.60%
Other Amino Acids	Not detected
Residue On Ignition	0.20%
Assay by titration	98.50%
Storage	Store at RT

Prepared by:  
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VP