



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalog Number	BIO-410
Product Name	L-Proline
Lot Number	981211
CAS Registry Number	147-85-3
Molecular Formula	C ₅ H ₉ NO ₂
Molecular Weight	115.14
Appearance	White powder
Assay	99.5 %
Specific Rotation, $[\alpha]_D^{20}$	-85.1 °
pH	6.4
Transmittance	98.2 %
Water (Karl Fischer)	0.12%
Loss on Drying	0.16 %
Residue on ignition	0.05 %
Chloride (Cl)	< 0.02 %
Sulfate (SO ₄)	< 0.02 %
Ammonium (NH ₄)	< 0.02 %
Arsenic (As ₂ O ₃)	< 1 mg/kg
Iron (Fe)	< 10mg/kg
Heavy Metals (Pb)	< 10 mg/kg
Purity (TLC)	>98% Single Spot
Storage	Store at RT