

CERTIFICATE OF ANALYSIS

Product Name: L-Proline

CAS#: 147-85-3

Batch Number: C240320

Manufacturing Date: Mar., 20th, 2024

Report Date: Mar., 20th, 2024

Expiry Date: Mar., 19th, 2026

Batch Size: 1000KG

Packing: 25KG/Drum

TEST/PARAMETER	Specifications	Test RESULTS	Test Method
Appearance	White crystals or crystalline powder	Conforms	Visual
Assay	98.5-101.5%	99.7%	USP<541>
Residue on ignition	≤0.4%	0.07%	USP<281>
Chloride (Cl)	≤0.05%	<0.05%	USP<221>
Sulfate (SO ₄)	≤0.03%	<0.03%	USP<221>
Iron (Fe)	≤30ppm	<30ppm	USP<241>
Related Compounds	Not more than 0.50% of any Individual impurity is found, Not more than 2.0% of total impurities is found	Conforms	USP<621>
Specific rotation[α] _D ²⁵	-84.3° ~ -86.3°	-84.7°	USP<781S>
Loss on drying	≤0.40%	0.06%	USP<731>
Conclusion	This Batch Is Conforming With The Standard Of USP-NF2023		

Conclusion: Conform with specification

Inspector: Liang Ding

Checker: Jie Zhou

