



CERTIFICATE OF ANALYSIS

Product Name: **L-Aspartic Acid**
USP grade

Catalog Number: A013 Molecular Formula: C₄H₇NO₄
Lot Number: 05132024 Formula Weight: 133.10
CAS Number: 56-84-8 Storage: 15 to 30°C
Source: Fermentation, China Retest Date: 31-JAN-2022

<u>Test</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White Powder	PASS
Identity Test	Passes Test	PASS
Assay	98.5 % - 101.5 %	99.1 %
Specific Rotation	+24.0° to +26.0°	+24.92°
Loss on Drying	≤ 0.5 %	0.08 %
Residue on Ignition	≤ 0.1 %	0.10 %
Chloride (Cl)	≤ 0.02 %	< 0.02 %
Sulfate (SO ₄)	≤ 0.03 %	< 0.02 %
Heavy Metals (as Pb)	≤ 0.001 %	< 0.001 %
Iron (Fe)	≤ 0.001 %	< 0.001 %
Endotoxin (60 mg/L)	Record	< 0.1 EU/ml
Solubility (0.5%, H ₂ O)	Clear, Colorless Solution	PASS
pH (0.5%, H ₂ O)	2.5 - 3.5	2.94

This product meets or exceeds the quality standards established by Caisson Laboratories, Inc.

This product is intended for Laboratory Use Only

Prepared by:

Reviewed by:

Jacob Scovill
Quality Control

12-Feb-2019