

## Product Data Sheet

### L-Alanine

**Product No.** GB-CHEM-00667  
**Volume.** 100G

Quality Profile	Specification
Appearance (Color)	White
Appearance (Form)	Crystalline Powder
Solubility (Color)	Colorless
Solubility (Turbidity) 1.0 g to 10 ml, H <sub>2</sub> O	Clear
Origin Must Be Non-Animal Source	Conforms
Specific Rotation C = 10 in 6 M HCl at 20°C, per EP	14.3 - 15.2 °C
Chloride Content	≤ 0.020%
Ammonium	≤ 0.02 %
Sulfate	≤ 0.020%
Iron (Fe)	≤ 10 ppm
Arsenic (As)	≤ 1 ppm
Loss on Drying	≤ 0.20 %
Residue on ignition (Ash)	≤ 0.10 %
Ninhydrin-Positive Substances	Conforms
pH 5% in H <sub>2</sub> O	5.7 - 6.7
Assay (Dry Basis)	98.5 - 101.0 %
Specific Rotation C = 10 in 6 M HCl at 25°C, per USP	13.7 - 15.1 °C
Residual Solvents	Meets Requirements
Identity by IR	Conforms to Structure
Endotoxin Assay	≤ 1 EU/mg

**Intended Use:** For research use only.

This document has been created digitally and is valid without a signature.