



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	BIO-440
Product	DL-Alanine
Lot Number	000424-131001-10821 DL-Ala-OH (R,S)-2-Aminopropionic acid
CAS Number	302-72-7
Molecular Formula	C ₃ H ₇ NO ₂
Molecular Weight	89.09
Appearance	White crystalline powder
Heavy Metals	< 10 ppm
Arsenic (As₂O₂)	< 1 ppm
Anion	Chloride (Cl ⁻): < 200 ppm Sulfate (SO ₄ ²⁻): < 200 ppm
Cation	Ammonium (NH ₄): < 200 ppm Iron (Fe): < 10 ppm
pH	6.5
Infrared Spectrum	Conforms to structure
Transmission	99.8%
Loss on Drying	0.04%
Other Amino Acids	< 0.2%
Residue On Ignition	0.07%
Assay by titration	99.19%
Storage	Store at RT

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