



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	04-113
Lot Number	001192-8002814125
Product	D-Alanine
	D-Ala-OH
	(R)-2-Aminopropionic acid
CAS Number	338-69-2
Molecular Formula	C ₃ H ₇ NO ₂
Molecular Weight	89.09

Appearance	White to off-white crystalline powder
Heavy Metals	< 10 ppm
Arsenic (As₂O₂)	< 2 ppm
Anion	Chloride (Cl ⁻): < 0.1%
Optical Rotation	[α] _D ²⁰ = -14.4°
Loss on Drying	0.14%
Residue On Ignition	0.05%
Assay by titration	98.96% (Dried basis)
Storage	Store at RT

Prepared by:

Ramesh Mandadi

Ramesh Mandadi
Director of Operations

Reviewed and approved by:

Sujata Moton

S. Moton
VP