



# INDOFINE Chemical Company, Inc.

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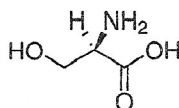
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## Certificate of Analysis

Catalogue Number	025605
Product	<b>D-Serine</b>
Lot Number	001192-8002814126 D-Ser-OH D-β-Hydroxyalanine
CAS Number	312-84-5
Molecular Formula	C <sub>3</sub> H <sub>7</sub> NO <sub>3</sub>
Molecular Weight	105.1

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Appearance	White crystalline powder
Heavy Metals	< 10 ppm
Trace Metal Analysis	Lead (Pb): < 3 ppm Mercury (Pb): < 0.1 ppm Cadmium (Cd): < 1 ppm
Arsenic (As <sub>2</sub> O <sub>2</sub> )	< 1 ppm
Anion	Chloride (Cl <sup>-</sup> ): < 0.02% Sulfate (SO <sub>4</sub> ): < 0.02%
Cation	Ammonium (NH <sub>4</sub> ): < 0.02% Iron (Fe): < 10 ppm
pH	5.70 (1g in 10 mL)
Optical Rotation	[α] <sub>D</sub> <sup>20</sup> = -14.63°
Transmission	98.6%
Loss on Drying	0.08%
Residue On Ignition	0.02%
Assay by titration	100.24% (anhydrous basis)
Storage	Store at RT



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