



INDOFINE Chemical Company, Inc.

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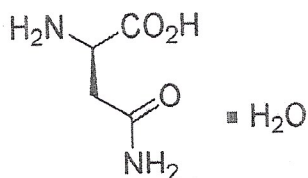
website: www.indofinechemical.com

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Certificate of Analysis

Catalogue Number	025771
Lot Number	121012-11015
Product	D-Asparagine hydrate D-Asn-OH•H ₂ O (<i>R</i>)-2-Aminosuccinic acid 4-amide monohydrate
CAS Number	2058-58-4
Molecular Formula	C ₄ H ₈ N ₂ O ₃ •H ₂ O
Molecular Weight	150.1

Appearance	White powder
Heavy Metals	< 10 ppm (as Pb)
Arsenic (As ₂ O ₂)	< 2 ppm
Anion	Chloride (Cl ⁻): < 0.02% Sulfate (SO ₄ ²⁻): < 0.02%
Cation	Iron (Fe): < 10 ppm Ammonium (NH ₄ ⁺): < 0.1%
Optical Rotation	[α] _D ²⁰ = -34.33° (C=5 in 5N HCl)
Loss on Drying	12.15%
Residue On Ignition	0.07%
Assay by titration	99.81%
Storage	Store at 0-8 °C



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