



# INDOFINE Chemical Company, Inc.

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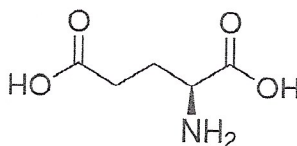
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## Certificate of Analysis

Catalogue Number	BIO-130
Lot Number	001192-180103
Product	<b>L-Glutamic acid</b>
	L-Glu-OH
	(S)-1-Aminopropane-1,3-dicarboxylic acid
CAS Number	56-86-0
Molecular Formula	C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub>
Molecular Weight	147.14

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Appearance	White crystals or crystalline powder
Heavy Metals	< 10 ppm
Anion	Sulfates (SO <sub>4</sub> ): < 300 ppm Chlorides (Cl): < 100 ppm
Cation	Iron (Fe): < 10 ppm Ammonium (NH <sub>4</sub> ): < 200 ppm
Optical Rotation	[α] <sub>D</sub> <sup>20</sup> = +31.8°
Loss on Drying	0.10%
Sulfated Ash	0.04%
Assay	99.6%
Storage	Store at RT
Additional Information	State of solution: Clear and colorless Ninhydrin positive substances: Not more intense than the spot with reference solution (0.5%)



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