



INDOFINE Chemical Company, Inc.

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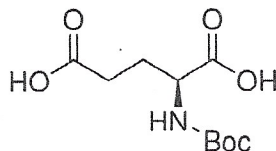
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Certificate of Analysis

Catalogue Number	04-669
Lot Number	000424-150425-30604
Product	Boc-L-glutamic acid
	Boc-L-Glu-OH
CAS Number	2419-94-5
Molecular Formula	C ₁₀ H ₁₇ NO ₆
Molecular Weight	247.25

Appearance	White powder
Solubility	Clear Solution (0.3g in 2mL MeOH)
Melting Point	112.5-112.7 °C
Water Content (Karl Fisher)	0.133%
Optical Rotation	[α] _D ²⁰ = -16° (C=1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to structure
Loss on Drying	0.80% (50 °C, 2h)
¹ H NMR	Conforms to structure
Purity by HPLC	99.42%
Purity by TLC	> 98%
Storage	Store at 0-8°C



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