

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	02635
Lot Number	000424-120507-11051
Product	<i>N</i>^α-Acetyl-L-tryptophan
	Ac-L-Trp-OH
CAS Number	1218-34-4
Molecular Formula	C ₁₃ H ₁₄ N ₂ O ₃
Molecular Weight	246.3

Appearance	White to off-white powder
Solubility	Clear solution (0.15 g/mL, DMF)
Melting Point	203.9-205.4 °C
Water Content (Karl Fisher)	0.32%
Optical Rotation	[α] _D ²⁰ = +27.0° (C=1 1N NaOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.21% (105 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.73%
Storage	Store at 0-8°C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager