

# Chem-Impex International, Inc.

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Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	03152
<b>Lot Number</b>	000424-140729-11001
<b>Product</b>	<b>L-Tryptophan methyl ester hydrochloride</b>  L-Trp-OMe•HCl
<b>CAS Number</b>	7524-52-9
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> •HCl
<b>Molecular Weight</b>	254.7

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.3g in 2 mL DMF)
<b>Water Content (Karl Fisher)</b>	0.27%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +16.1° (C= 1 in MeOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.07% (105 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.79%
<b>Storage</b>	Store at 0-8 °C
<b>Remarks</b>	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