

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	24636
<b>Lot Number</b>	000424-130520-30400
<b>Product</b>	<b>Boc-Asp-OMe</b> Boc-L-aspartic acid $\alpha$ -methyl ester
<b>CAS Number</b>	98045-03-5
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>17</sub> NO <sub>6</sub>
<b>Molecular Weight</b>	247.2

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	88.9-89.1 °C
<b>Water Content (Karl Fisher)</b>	0.48%
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = -21.6° (C=2 in MeOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.03% (40 °C for 2 hours)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	98.83%
<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