

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	16237
<b>Lot Number</b>	000424-230720-11427
<b>Product</b>	<b>Z-L-aspartic acid b-allvl ester •</b> Z-L-Asp(OAll)-OH • DCHA
<b>CAS Number</b>	99793-10-9
<b>Molecular Formula</b>	C <sub>27</sub> H <sub>40</sub> N <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight</b>	488.61

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.1 g in 2mL DMF)
<b>Melting Point</b>	114.7 - 115.4 °C
<b>Water Content (Karl Fisher)</b>	0.70%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 4.9 ° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.47% (45 °C, 2 h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.56%
<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