

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 03305  
**Lot Number** 000424-151216-11023  
**Product** **L-Aspartic acid  $\alpha$ -tert-butyl ester**

L-Asp-OtBu

**CAS Number** 4125-93-3  
**Molecular Formula** C<sub>8</sub>H<sub>15</sub>NO<sub>4</sub>

**Molecular Weight** 189.2

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**Appearance** White powder  
**Water Content (Karl Fisher)** 0.384%  
**Optical Rotation** [a]<sub>D</sub><sup>20</sup> = +8° (C=1 in AcOH)  
**Infrared Spectrum** Conforms to structure  
**Analysis by Mass Spectra** Conforms to standard  
**Loss on Drying** 0.70% (50 °C, 2h)  
**<sup>1</sup>H NMR** Conforms to structure  
**Purity by HPLC** 98.67%  
**Storage** Store at 0-8 °C  
**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