## Chem-Impex International, Inc.

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## Certificate of Analysis

Catalogue Number 23174

**Lot Number** 000424-140318-30410

Product Boc-D-aspartic acid-β-tert-butyl ester

Boc-D-Asp(OtBu)-OH

CAS Number 155542-33-9 Molecular Formula C<sub>13</sub>H<sub>23</sub>NO<sub>6</sub>

Molecular Weight 289.3

**Appearance** White powder

**Solubility** Clear solution (0.3 g in 2 mL MeOH)

3.023%

**Melting Point** 49.6-51.2 °C

**Water Content (Karl** 

Fisher)

935 Dillon Drive

**Optical Rotation** [a]<sub>D</sub><sup>20</sup> = +22.5° (C=2 in DMF)

Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard

<sup>1</sup>H NMR Conforms to structure

Purity by HPLC 99.78%

**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**