

# 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>	01334
<b>Lot Number</b>	000424-130128-30301
<b>Product</b>	<b><i>N</i><sup>α</sup>-Boc-L-asparagine</b>  Boc-L-Asn-OH  Boc-(S)-2-aminosuccinic acid 4-amide monohydrate
<b>CAS Number</b>	7536-55-2
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>16</sub> N <sub>2</sub> O <sub>5</sub>
<b>Molecular Weight</b>	232.2

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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>	167.9-168.3 °C
<b>Water Content (Karl Fisher)</b>	0.26%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -7.15° (C=1 in DMF)
<b>Loss on Drying</b>	0.01% (70 °C, 2h)
<b>Purity by HPLC</b>	99.53%
<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