

# *Chem-Impex International, Inc.*

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## Certificate of Analysis

<b>Catalog Number</b>	05502
<b>Product Name</b>	Boc-D-Asp-NH <sub>2</sub>
<b>Lot Number</b>	0537619
<b>CAS Registry Number</b>	200282-47-9
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>16</sub> N <sub>2</sub> O <sub>5</sub>
<b>Molecular Weight</b>	232.24
<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50mg/mL in Methanol)
<b>Optical Specific Rotation (<math>\alpha^{24}_{D}</math>)</b>	+29.2° (1% DMF)
<b>Melting Point</b>	149°C
<b>Identification</b>	
<b>Elemental Analysis (Theory)</b>	C 46.55%, H 6.94%, N 12.06%
<b>Elemental Analysis (Found)</b>	C 46.16%, H 6.55%, N 11.64%
<b>Purity (TLC)</b>	>99%
<b>TLC conditions</b>	
<b>Chloroform/Methanol/Acetic acid(98-100%)/H<sub>2</sub>O 45/13/1/2 (v/v/v/v)</b>	Detected by UV, Ninhydrin, chlorine-tolidine.
<b>Chloroform/Methanol/Acetic acid/H<sub>2</sub>O 70/42/0.5/10 (v/v/v/v)</b>	
<b>Chloroform/Methanol/Acetic acid 77.5/15/7.5 (v/v/v)</b>	
<b>Ethylacetate/pyridine/acetic acid/H<sub>2</sub>O 60/10/3/4 (v/v/v/v)</b>	
<b>Plate Silicagel 60 F<sub>254</sub></b>	
<b>Storage</b>	Store at RT.
<b>Remarks</b>	See material safety data sheets for additional information. For laboratory use only.

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**

**Quality Control Manager**