

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalog Number</b>	03841
<b>Product Name</b>	Z-Asp(OtBu)-OH•H <sub>2</sub> O Z-β-(t-butyl ester)-L-aspartic acid monohydrate
<b>Lot Number</b>	102020191
<b>CAS Registry Number</b>	5545-52-8
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>21</sub> NO <sub>6</sub> •H <sub>2</sub> O
<b>Molecular Weight</b>	341.3
<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50mg/ml in Methanol)
<b>Optical Specific Rotation</b> (α <sub>D</sub> <sup>20</sup> )	-19.6° (1%, in chloroform)
<b>Melting Point</b>	56.80°C
<b>Purity (TLC)</b>	>99%
<b>D-Enantiomer</b>	0.2%
<b>Water content</b>	5.3%
<b>Storage</b>	Store at 0-5°C.
<b>Assay ( Titration)</b>	99.4%
<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



**Sashi Kumar**  
Quality Control Manager

