

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

**Catalogue Number** 14845  
**Lot Number** 000127-1045322  
**Product** **Fmoc-D-aspartic acid  $\beta$ -methylpentyl ester**

Fmoc-D-Asp(OMpe)-OH

**Molecular Formula** C<sub>25</sub>H<sub>29</sub>NO<sub>6</sub>

**Molecular Weight** 439.51

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**Appearance** White powder

**Solubility** Clear colorless solution (50 mg/mL in Dioxane)  
Clear colorless solution (0.5 mmol/mL in DMF)

**Water Content (Karl Fisher)** 0.2%

**TLC System** Chloroform/Methanol/Acetic acid (90:8:2)  
Toluene/Dioxane/Acetic acid (95:25:4)  
Plate: silicagel 60 F<sub>254</sub>  
Detected by: UV, ninhydrin, TMB

**Related Substances** 0.2% (Fmoc-b-Ala-OH) not detected fmoc-D-Asp-OH

**Assay by titration** 99.1% (TBAH)

**L-Enantiomer** < 0.1%

**Purity by HPLC** 99.6%

**Purity by TLC** > 99%

**Storage** Store at 0-8 °C

**Additional Information** Acetic Acid content (IC): 0.009%

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**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**