

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	05535
Lot Number	000127-1000018274
Product	Boc-L-glutamic acid γ-N-hydroxysuccinimide Boc-L-Glu(OSu)-OtBu
CAS Number	81659-82-7
Molecular Formula	C ₁₈ H ₂₈ N ₂ O ₈
Molecular Weight	400.43

Appearance	White powder
Appearance of Solution	Clear, colorless solution (50 mg/mL in acetone)
Melting Point	140 °C
Elemental Analysis (Found)	C = 53.9%, H = 7.1%, N = 7.0%
Water Content (Karl Fisher)	0.1%
TLC System	Methanol 70% Plate : RP-8 Chloroform/Methanol/Acetic acid (90:8:2) Toluene/Dioxane/Acetic acid (95:25:4) Plate: Silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, TMB
Assay	99.9% (Cfd 53.94% by Elemental analysis)
D-Enantiomer	< 0.1%
Purity by TLC	> 99%
Chiral Purity	> 99.9% (ee)
Storage	Store at 0 - 8 °C

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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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager