

Certificate of Analysis

Date of Testing: 2024-11-18 11:38:19

Date of Next Testing: 2028-11-17 11:38:19

Product Name: **Boc-Ile-OH**

CAS Number: 13139-16-7

Specifications & Purity: $\geq 99\%$

Lot #: K2412040

SKU #: **B102996**

Version: **0**

Analysis #: **107744**

Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Melting point	59-63 (°C)	61.11000 °C
Water by Karl Fischer	3-5 (%)	3.42 %
Purity(Neutralization titration)(calcd.on anh.substance)	99-100 (%)	99.20 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in AcOH})$	2.4-3 (°)	2.40 °
Appearance (B102996)	White to Off-White Powder or Chunks	White to Off-White Powder or Chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in MeOH	almost transparency	almost transparency



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QA & QC Manager