

Certificate of Analysis

Date of Testing: 2023-06-01 16:38:24

Date of Next Testing: 2027-05-31 16:38:24

Product Name: (±)-1-Benzyloxycarbonyl-4-Boc-piperazine-2-carboxylic acid

CAS Number: 126937-41-5

Specifications & Purity: 97%

Lot #: E2327231

SKU #: B119055

Analysis: 167045

Parameter	Limit Values	Result
Melting point	150-152 (°C)	151.78000 °C
Purity(HPLC)	97-100 (%)	98.77000 %
Appearance (B119055)	White to Off-White Powder or Crystals	White to Off-White Powder or Crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager