

Certificate of Analysis

Date of Testing: 2023-04-09 20:01:16

Date of Next Testing: 2027-04-08 20:01:16

Product Name: **Methyl Boc-L-Pyroglutamate**

CAS Number: 108963-96-8

Specifications & Purity: 98%

Lot #: D23031059

SKU #: **M124462**

Analysis: **178554**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	52.4-56.2 (%)	54.15 %
Nitrogen by Elemental Analysis	5.6-6 (%)	5.83 %
Specific Rotation $[\alpha]_{20/D(c=0.5 \text{ in CHCL}_3)}$	-38--26 (°)	-34.16 °
Purity(HPLC)	98-100 (%)	98.34700 %
Appearance (M124462)	white to yellow-brown powder or crystals	white to yellow-brown powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager