

## Certificate of Analysis

Date of Testing: 2023-06-12 10:34:22  
Date of Next Testing: 2027-06-11 10:34:22  
Product Name: **Boc-Arg-OH hydrochloride**  
CAS Number: 35897-34-8  
Specifications & Purity: 98%  
Lot #: F2302525  
SKU #: **B113235**  
Analysis: **225116**

Parameter	Limit Values	Result
Water by Karl Fischer	4.5-6.5 (%)	4.91 %
Purity(Argentmetric Titration)(calcd.on anh.substance)	97.5-102.5 (%)	100.37 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$	-9--7 (°)	-8.25 °
Purity(HPLC)	98-100 (%)	98.89800 %
Appearance (B113235)	White powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager