

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-04-01 14:54:27  
Date of Next Testing: 2026-04-01 14:54:27  
Product Name: **Methyl (S)-(-)-3-Bromoisobutyrate**  
CAS Number: 98190-85-3  
Specifications & Purity: >95.0%(GC)  
Lot #: F2210280  
SKU #: **M409449**  
Analysis: **330186**

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.453 - 1.457	1.46
Purity(GC)	95-100 (%)	95.54 %
specific rotation [ $\alpha$ ] <sub>20</sub> /D(c=Neat)	-19--13 (°)	-18.81800 °
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager