

## Certificate of Analysis

Date of Testing: 2024-12-12 15:34:32  
Date of Next Testing: 2026-12-02 15:34:32  
Product Name:  **$\alpha$ -Bromoisobutyryl bromide**  
CAS Number: 20769-85-1  
Specifications & Purity:  $\geq 98\%$   
Lot #: L2410493  
SKU #: **B106971**  
Version: **0**  
Analysis #: **441720**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.45 %
Refractive index n <sub>20</sub> /D	1.507-1.512	1.51
Density (20°C)	1.861-1.871	1.87
Purity(Titration by AgNO <sub>3</sub> )	97.5-102.5 (%)	102.28 %
Appearance (B106971)	Colorless to pale brown liquid	Colorless to pale brown liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager