

## Certificate of Analysis

Date of Testing: 2022-11-26 14:26:18  
Date of Next Testing: 2024-11-25 14:26:18  
Product Name: **5-Bromovaleryl chloride**  
CAS Number: 4509-90-4  
Specifications & Purity: >95.0%(T)  
Lot #: A2106062  
SKU #: **B138857**  
**Analysis: 146308**  
Storage Temperature: Argon charged

| Parameter                           | Limit Values                   | Result                         |
|-------------------------------------|--------------------------------|--------------------------------|
| Refractive index n <sub>20</sub> /D | 1.49-1.494                     | 1.49                           |
| Density (20°C)                      | 1.505-1.514                    | 1.51                           |
| Purity(GC)                          | 94-100 (%)                     | 97.24%                         |
| Purity (Argentmetric Titration)     | 94.5-105.5 (%)                 | 104.46%                        |
| Appearance (B138857)                | Colorless to pale brown liquid | Colorless to pale brown liquid |
| Infrared spectrum                   | Conforms to Structure          | Conforms to Structure          |



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