

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-05-31 14:44:54  
 Date of Next Testing: 2026-05-21 14:44:54  
 Product Name: **Acetobromo- $\alpha$ -D-glucuronic acid methyl ester**  
 CAS Number: 21085-72-3  
 Specifications & Purity:  $\geq 93\%$   
 Lot #: L2002088  
 SKU #: **A121071**  
 Version: **0**  
 Analysis #: **363225**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

| Parameter                                                              | Limit Values                                 | Result                                       |
|------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Purity(HPLC)                                                           | 93-100 (%)                                   | 95.40600 %                                   |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in Ethyl Acetate})$      | 188-198 ( $^{\circ}$ )                       | 196.31200 $^{\circ}$                         |
| Appearance (A121071)                                                   | White to Off-White Powder or Solid or Chunks | White to Off-White Powder or Solid or Chunks |
| Proton NMR spectrum                                                    | Conforms to Structure                        | Conforms to Structure                        |
| Solubility in Ethyl Acetate , Colorless to Faint Yellow Clear(50mg/mL) | pass                                         | Pass                                         |



John Su  
QA & QC Manager