

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-15 10:38:38  
Date of Next Testing: 2027-03-15 10:38:38  
Product Name: **2,3,4-Tri-O-acetyl-a-D-glucuronide methyl ester trichloroacetimidate**  
CAS Number: 92420-89-8  
Specifications & Purity: 95%  
Lot #: F2103329  
SKU #: **T304981**  
**Analysis: 331243**  
Storage Temperature: Store at -20°C, Argon charged

| Parameter   | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Purity(HPLC)  | 95-100 (%)            | 99.50000 %            |
| Specific rotation $[\alpha]_{20/D}(C=1.9, \text{ in } \text{CHCl}_3)$ | 91-95 (°)             | 94.00°                |
| Proton NMR spectrum   | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager