

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-07 18:36:35

Date of Next Testing: 2026-12-06 18:36:35

Product Name: **1,2:5,6-Di-O-isopropylidene- $\alpha$ -D-glucofuranose**

CAS Number: 582-52-5

Specifications & Purity:  $\geq 98\%$

Lot #: L2203189

SKU #: **D106754**

Version **0**

Analysis #: **131774**

Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                                | Limit Values           | Result                 |
|----------------------------------------------------------|------------------------|------------------------|
| Sulfate Ash                                              | 0-0.2 (%)              | 0.13000 %              |
| Purity(GC)                                               | 98-100 (%)             | 98.25400 %             |
| Loss on drying                                           | 0-0.5 (%)              | 0.27000 %              |
| Melting point                                            | 108-112 (°C)           | 108.21000 °C           |
| Specific Rotation $[\alpha]_{20/D(c=5 \text{ in EtOH})}$ | -12--10 (°)            | -10.99100 °            |
| Appearance (D106754)                                     | White to Yellow Powder | White to Yellow Powder |
| Infrared spectrum                                        | Conforms to Structure  | Conforms to Structure  |



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