

Certificate of Analysis

Date of Testing: 2025-03-25 16:21:42

Date of Next Testing: 2029-03-24 16:21:42

Product Name: **1,2:5,6-Di-O-isopropylidene- α -D-glucofuranose**

CAS Number: 582-52-5

Specifications & Purity: $\geq 98\%$

Lot #: C2517148

SKU #: **D106754**

Version: **0**

Analysis #: **131774**

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

Parameter	Limit Values	Result
Sulfate Ash	0-0.2 (%)	0.13 %
Purity(GC)	98-100 (%)	98.25 %
Loss on drying	0-0.5 (%)	0.27 %
Melting point	108-112 (°C)	108.21000 °C
Specific Rotation $[\alpha]_{20/D(c=5 \text{ in EtOH})}$	-12--10 (°)	-10.99 °
Appearance (D106754)	White to Yellow Powder	White to Yellow Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager