

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-03-06 13:42:34
 Date of Next Testing: 2028-03-05 13:42:34
 Product Name: **D-Tagatose**
 CAS Number: 87-81-0
 Specifications & Purity: $\geq 99\%$
 Lot #: F1218019
 SKU #: **D115339**
 Version: **2**
 Analysis #: **326545**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Melting point	130-135 (°C)	134.86000 °C
Loss on drying	0-1 (%)	0.42000 %
Purity(HPLC)	99-100 (%)	99.12300 %
Sulfate Ash	0-0.1 (%)	0.03000 %
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in H}_2\text{O})}$	-7--5 (°)	-6.79200 °
Appearance (D115339)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager