

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-11-21 15:30:24
 Date of Next Testing: 2028-11-20 15:30:24
 Product Name: **D-Saccharic acid 1,4-lactone monohydrate**
 CAS Number: 61278-30-6
 Specifications & Purity: $\geq 98\%$
 Lot #: K2419250
 SKU #: **S121083**
 Version: **0**
 Analysis #: **319579**
 Storage Temperature: Store at 2-8°C

Parameter	Limit Values	Result
Water by Karl Fischer	0-10 (%)	8.56120 %
Purity(HPLC)	98-100 (%)	99.55900 %
Carbon by Elemental Analysis(anhydrous)	36.6-38.4 (%)	37.37800 %
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O})$	33-36 (°)	33.10000 °
Appearance (S121083)	White to Off-White Powder	White to Off-White Powder
Solubility in H ₂ O , Colorless to Faint Yellow Clear ,50 mg/mL, H ₂ O	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager