

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-04-22 09:08:12

Date of Next Testing: 2024-04-21 09:08:12

Product Name: **D-Ribono-1,4-lactone**

CAS Number: 5336-08-3

Specifications & Purity: $\geq 97\%$

Lot #: D2219009

SKU #: **D130873**

Version: **2**

Analysis #: **064740**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$	15-20 (°)	17.99900 °
Melting point	74-84 (°C)	75.40000 °C
Purity(HPLC)	97-100 (%)	99.76400 %
Appearance (D130873)	White Powder, Crystals and/or Chunks	White Powder, Crystals and/or Chunks
Solubility in H ₂ O , colorless to faint yellow clear to hazy(5% or 10%)	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager