

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-01-29 14:50:07
 Date of Next Testing: 2028-01-29 14:50:07
 Product Name: **L-(+)-Pantolactone**
 CAS Number: 5405-40-3
 Specifications & Purity: $\geq 98\%$
 Lot #: F2205470
 SKU #: **S138963**
 Version: **2**
 Analysis #: **644711**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{22/D}$ (c=0.5 in H ₂ O)	45-55 (°)	50.60000 °
Purity(HPLC)	98-100 (%)	98.05700 %
Appearance (S138963)	white to pale yellow Powder, Crystals and/or Chunk	white to pale yellow Powder, Crystals and/or Chunk
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Carbon NMR Spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager