

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-05 15:12:12
 Date of Next Testing: 2027-08-04 15:12:12
 Product Name: **δ-Valerolactone (DVL)**
 CAS Number: 542-28-9
 Specifications & Purity: ≥98%
 Lot #: G2329603
 SKU #: **V100560**
 Version: **1**
 Analysis #: **241075**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.456-1.458	1.45770
Density (20°C)	1.108-1.112	1.10900
Purity(GC)	98-100 (%)	99.08900 %
Appearance (V100560)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
 QA & QC Manager