

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-08-05 16:36:03
 Date of Next Testing: 2026-08-04 16:36:03
 Product Name: **δ-Valerolactone (DVL)**
 CAS Number: 542-28-9
 Specifications & Purity: ≥98%
 Lot #: H2203632
 SKU #: **V100560**
 Version: **1**
 Analysis #: **098182**
 Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.456-1.458	1.45730
Purity(GC)	98-100 (%)	99.72600 %
Density (20°C)	1.108-1.112	1.10820
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