

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-05-05 13:39:03

Date of Next Testing: 2026-05-04 13:39:03

Product Name: **γ-Valerolactone**

CAS Number: 108-29-2

Specifications & Purity: 98%

Lot #: E2202007

SKU #: **V106294****Analysis: 081800**

Parameter	Limit Values	Result
Refractive index n ₂₀ /D	1.431-1.434	1.43
Purity(GC)	98-100 (%)	99.57%
Density (20°C)	1.053-1.058	1.05
Appearance (V106294)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

John Su
QA & QC Manager