

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-03-16 15:39:56

Date of Next Testing: 2028-03-15 15:39:56

Product Name:  **$\gamma$ -Valerolactone**

CAS Number: 108-29-2

Specifications &amp; Purity: 98%

Lot #: C2406301

SKU #: **V106294**Analysis: **323280**

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.431-1.434	1.43
Purity(GC)	98-100 (%)	99.92 %
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