

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-10 16:51:39  
Date of Next Testing: 2028-12-09 16:51:39  
Product Name:  **$\gamma$ -Valerolactone**  
CAS Number: 108-29-2  
Specifications & Purity:  $\geq$ 98%  
Lot #: L2405573  
SKU #: **V106294**  
Version: **0**  
Analysis #: **440694**

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.431-1.434	1.43
Purity(GC)	98-100 (%)	99.54 %
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