

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-10 16:21:59

Date of Next Testing: 2028-12-09 16:21:59

Product Name: **γ -Valerolactone**

CAS Number: 108-29-2

Specifications & Purity: $\geq 98\%$

Lot #: L2405551

SKU #: **V106294**Version: **0**Analysis #: **440694**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Refractive index n _{20/D}	1.431-1.434	1.43370
Purity(GC)	98-100 (%)	99.53700 %
Density (20°C)	1.053-1.058	1.05420
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