

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-19 21:56:17

Date of Next Testing: 2026-12-18 21:56:17

Product Name: **Caprolactam**

CAS Number: 105-60-2

Specifications &amp; Purity: 99%

Lot #: L22151167

SKU #: **C111700****Analysis: 170436**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	69-72 (°C)	70.94000 °C
Carbon by Elemental Analysis	62.7-64.6 (%)	63.39 %
Purity(GC)	99-100 (%)	99.89 %
Nitrogen by Elemental Analysis	12.1-12.6 (%)	12.34 %
Appearance (C111700)	White Crystals or Pellets	White Crystals or Pellets
Solubility,Colorless and clear(5% in H2O)	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure

John Su  
QA & QC Manager