

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-04-27 15:23:32

Date of Next Testing: 2027-04-26 15:23:32

Product Name: **Caprolactam**

CAS Number: 105-60-2

Specifications &amp; Purity: 99%

Lot #: D23191143

SKU #: **C111700****Analysis: 208541**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	69-72 (°C)	71.83000 °C
Carbon by Elemental Analysis	62.7-64.6 (%)	63.59%
Purity(GC)	99-100 (%)	99.89%
Nitrogen by Elemental Analysis	12.1-12.6 (%)	12.42%
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