

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-01-31 13:45:19  
Date of Next Testing: 2028-01-30 13:45:19  
Product Name: **Caprolactam**  
CAS Number: 105-60-2  
Specifications & Purity: 99%  
Lot #: A2417252  
SKU #: **C111700**  
**Analysis:** **311257**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	69-72 (°C)	71.49000 °C
Carbon by Elemental Analysis	62.7-64.6 (%)	63.64 %
Purity(GC)	99-100 (%)	99.38 %
Nitrogen by Elemental Analysis	12.1-12.6 (%)	12.36 %
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