

## Certificate of Analysis

Date of Testing: 2024-06-15 17:20:42  
Date of Next Testing: 2028-06-14 17:20:42  
Product Name: **Caprolactam**  
CAS Number: 105-60-2  
Specifications & Purity: 99%  
Lot #: F2412232  
SKU #: **C111700**  
Version: **1**  
Analysis #: **362258**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	69-72 (°C)	71.91000 °C
Carbon by Elemental Analysis	62.7-64.6 (%)	63.80 %
Purity(GC)	99-100 (%)	99.63 %
Nitrogen by Elemental Analysis	12.1-12.6 (%)	12.48 %
Appearance (C111700)	White Crystals or Pellets	White Crystals or Pellets
Solubility, Colorless and clear(5% in H <sub>2</sub> O)	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager