

## Certificate of Analysis

Date of Testing: 2025-04-17 10:55:47  
Date of Next Testing: 2029-04-16 10:55:47  
Product Name: **Caprolactam**  
CAS Number: 105-60-2  
Specifications & Purity:  $\geq 99\%$   
Lot #: C2531122  
SKU #: **C111700**  
Version: **1**  
Analysis #: **485994**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	69-72 (°C)	71.15000 °C
Carbon by Elemental Analysis	62.7-64.6 (%)	63.83 %
Purity(GC)	99-100 (%)	99.89 %
Nitrogen by Elemental Analysis	12.1-12.6 (%)	12.57 %
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



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QA & QC Manager