

## Certificate of Analysis

Date of Testing: 2023-08-12 12:16:02  
Date of Next Testing: 2027-08-11 12:16:02  
Product Name: **Caprolactam**  
CAS Number: 105-60-2  
Specifications & Purity: 99%  
Lot #: H2303561  
SKU #: **C111700**  
**Analysis:** **252002**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	69-72 (°C)	71.82000 °C
Carbon by Elemental Analysis	62.7-64.6 (%)	63.47 %
Nitrogen by Elemental Analysis	12.1-12.6 (%)	12.42 %
Purity(GC)	99-100 (%)	99.78 %
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