

Certificate of Analysis

Date of Testing: 2025-05-05 13:17:45
Date of Next Testing: 2029-05-04 13:17:45
Product Name: **Caprolactam**
CAS Number: 105-60-2
Specifications & Purity: $\geq 99\%$
Lot #: C2531230
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 ₂ O)	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager