

Certificate of Analysis

Date of Testing: 2024-01-31 14:28:47

Date of Next Testing: 2028-01-30 14:28:47

Product Name: **Caprolactam**

CAS Number: 105-60-2

Specifications & Purity: 99%

Lot #: A2417254

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