

Certificate of Analysis

Date of Testing: 2024-10-17 18:08:03

Date of Next Testing: 2028-10-16 18:08:03

Product Name: **Caprolactam**

CAS Number: 105-60-2

Specifications & Purity: $\geq 99\%$

Lot #: J2410279

SKU #: **C111700**

Version: **1**

Analysis #: **413224**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Melting point	69-72 (°C)	71.77000 °C
Carbon by Elemental Analysis	62.7-64.6 (%)	63.41 %
Purity(GC)	99-100 (%)	99.16 %
Nitrogen by Elemental Analysis	12.1-12.6 (%)	12.40 %
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



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QA & QC Manager