

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-17 11:08:20

Date of Next Testing: 2029-04-16 11:08:20

Product Name: **Caprolactam**

CAS Number: 105-60-2

Specifications & Purity:  $\geq 99\%$

Lot #: C2531123

SKU #: **C111700**

Version: **1**

Analysis #: **485994**

Storage Temperature: Room temperature, Argon charged

| Parameter                                                | Limit Values              | Result                    |
|----------------------------------------------------------|---------------------------|---------------------------|
| Melting point                                            | 69-72 (°C)                | 71.15000 °C               |
| Carbon by Elemental Analysis                             | 62.7-64.6 (%)             | 63.83000 %                |
| Purity(GC)                                               | 99-100 (%)                | 99.88500 %                |
| Nitrogen by Elemental Analysis                           | 12.1-12.6 (%)             | 12.57300 %                |
| 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     |



John Su  
QA & QC Manager