

Certificate of Analysis

Date of Testing: 2023-09-22 10:49:38

Date of Next Testing: 2027-09-21 10:49:38

Product Name: **1,4,7,10-Tetraazacyclododecane**

CAS Number: 294-90-6

Specifications & Purity: >97.0%(GC)

Lot #: I2320093

SKU # **C103173**

Analysis: **211736**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	99.63 %
Melting point	108-113 (°C)	111.05000 °C
Appearance (C103173)	white to Off-White to yellow powder or crystals or chunks	white to Off-White to yellow powder or crystals or chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager