

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-12-15 08:56:08

Date of Next Testing: 2027-12-14 08:56:08

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

CAS Number: 294-90-6

Specifications & Purity: $\geq 97\%$ (GC)

Lot #: L2312078

SKU #: **C103173**

Version: **0**

Analysis #: **300054**

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

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	97.47 %
Melting point	108-113 (°C)	110.19000 °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

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager