

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-12-27 10:49:43

Date of Next Testing: 2029-12-26 10:49:43

Product Name: **1,4,8,12-Tetraazacyclopentadecane**

CAS Number: 15439-16-4

Specifications & Purity: $\geq 95\%$

Lot #: L2526327

SKU #: **T162146**

Version: **1**

Analysis #: **628143**

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

Parameter	Limit Values	Result
Melting point	94-106 (°C)	101.10000 °C
Purity(HPLC area)	95-100 (%)	97.10000 %
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager