

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-14 10:49:08

Date of Next Testing: 2027-04-13 10:49:08

Product Name: **1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic Acid hydrate**

CAS Number: 60239-18-1(anhydrous)

Specifications & Purity: Moligand™, ≥97%

Lot #: D23081036

SKU #: **T579118**

Version: **1**

Analysis #: **212499**

Storage Temperature: Room temperature,Argon charged

Parameter	Limit Values	Result
Purity(dry basis) (Titration)	96.5-103.5 (%)	102.64000 %
Water by Karl Fischer	0-10 (%)	8.22590 %
Appearance(T579118)	White to Off White Powder or Crystals	White to Off White Powder or Crystals
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager