

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-27 17:18:03
Date of Next Testing: 2029-03-26 17:18:03
Product Name: **1,4,7,10-Tetraazacyclododecane Tetrahydrochloride**
CAS Number: 10045-25-7
Specifications & Purity: $\geq 98\%$
Lot #: H1724030
SKU #: **T162089**
Version: **0**
Analysis #: **485634**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	100.00000 %
Purity(O2 AgNO3 titration with after combustion)	97.5-102.5 (%)	100.54 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager