

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-22 13:21:34

Date of Next Testing: 2027-08-21 13:21:34

Product Name: **1,4,7,10-Tetrabenzyl-1,4,7,10-tetraazacyclododecane**

CAS Number: 18084-64-5

Specifications & Purity: 97%

Lot #: H2315681

SKU #: **T162092**

Analysis: **253011**

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

Parameter	Limit Values	Result
Melting point	143-147 (°C)	145.22000 °C
Purity(HPLC area)	97-100 (%)	99.76 %
Appearance(T162092)	White to Almost white powder to crystal	White to Almost white powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

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

John Su
QA & QC Manager