

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-22 15:34:01
 Date of Next Testing: 2027-08-21 15:34:01
 Product Name: **1,4,7,10-Tetrabenzyl-1,4,7,10-tetraazacyclododecane**
 CAS Number: 18084-64-5
 Specifications & Purity: $\geq 97\%$
 Lot #: H2315493
 SKU #: **T162092**
 Version: **1**
 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 (%)	99.76200 %
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



John Su
QA & QC Manager