

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-12-28 16:56:35  
Date of Next Testing: 2026-12-27 16:56:35  
Product Name: **11,12-Dihydroindolo[2,3-a]carbazole**  
CAS Number: 60511-85-5  
Specifications & Purity: >98.0%(HPLC)  
Lot #: L22151061  
SKU #: **D154449**  
**Analysis:** **172429**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.44000 %
Purity( total nitrogen)	98-100 (%)	98.00 %
Appearance (D154449)	White to Yellow Solid to Powder to Crystal	White to Yellow Solid to Powder to Crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager