

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-17 17:27:50

Date of Next Testing: 2026-10-16 17:27:50

Product Name: **11,12-Dihydroindolo[2,3-a]carbazole**

CAS Number: 60511-85-5

Specifications & Purity: $\geq 98\%$ (HPLC)

Lot #: J2211934

SKU #: **D154449**

Version: **0**

Analysis #: **136463**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	99.60300 %
Purity(total nitrogen)	98-100 (%)	98.54 %
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

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

John Su
QA & QC Manager