

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-10-22 11:40:05
 Date of Next Testing: 2029-10-21 11:40:05
 Product Name: **Tris(4-carbazoyl-9-ylphenyl)amine (TCTA)**
 CAS Number: 139092-78-7
 Specifications & Purity: $\geq 98\%$
 Lot #: J2521779
 SKU #: **T123987**
 Version: **0**
 Analysis #: **575010**
 Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Carbon by Elemental Analysis	85.2-88 (%)	87.66600 %
Nitrogen by Elemental Analysis	6.9-8.1 (%)	7.48500 %
Purity(HPLC)	98-100 (%)	99.14800 %
Appearance (T123987)	White to Grey to Orange to Green Powder or Crystals and/or Chunks	White to Grey to Orange to Green Powder or Crystals and/or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager