

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-09-15 10:44:53  
Date of Next Testing: 2026-09-14 10:44:53  
Product Name: **Copper(I) trifluoromethanesulfonate toluene complex**  
CAS Number: 48209-28-5  
Specifications & Purity: 99.9%  
Lot #: K1821216  
SKU #: **C115567**  
**Analysis: 134806**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(Based On Trace Metals Analysis)	99.9-100 (%)	99.90%
Total Metallic Impuritie	0-2000 (ppm)	1998.30 ppm
Purity(Titration by KMNO4)	97-103 (%)	99.15%
Appearance (C115567)	Grey to purple or brown powder or chunks	Grey to purple or brown powder or chunks
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager