

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-02-11 15:59:29

Date of Next Testing: 2029-02-10 15:59:29

Product Name: 4,4',4'',4'''-(Porphine-5,10,15,20-tetrayl) tetrakis(benzoic acid)(TCPP)

CAS Number: 14609-54-2

Specifications & Purity: ≥97%

Lot #: E2111036

SKU #: P115336

Version: 1

Analysis #: 469362

Storage Temperature: Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
Purity(Neutralization titration)	96.5-103.5 (%)	99.59800 %
Purity(HPLC)	97-100 (%)	97.10800 %
Appearance (P115336)	Dark Blue to Purple to Black Powder to Crystal	Dark Blue to Purple to Black Powder to Crystal
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR (1H-NMR)	complies	complies



John Su
QA & QC Manager