

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-06-05 18:30:06  
Date of Next Testing: 2028-06-04 18:30:06  
Product Name: **4,4',4'',4'''-(Porphine-5,10,15,20-tetrayl) tetrakis(benzoic acid)**  
CAS Number: 14609-54-2  
Specifications & Purity: 97%  
Lot #: E2430305  
SKU #: **P115336**  
Version: **0**  
Analysis #: **354585**

Parameter	Limit Values	Result
Purity(Neutralization titration)	96.5-103.5 (%)	96.60%
Purity(HPLC)	97-100 (%)	97.33800%
Appearance (P115336)	Dark Blue to Purple to Black Powder to Crystal	Dark Blue to Purple to Black Powder to Crystal
NMR (1H-NMR)	complies	complies
Suitability for HPLC-analysis	pass test	pass test
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager