

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-09-06 17:53:41  
Date of Next Testing: 2028-09-05 17:53:41  
Product Name: **4,4',4'',4'''-(Porphine-5,10,15,20-tetrayl) tetrakis(benzoic acid)**  
CAS Number: 14609-54-2  
Specifications & Purity: 97%  
Lot #: I2404446  
SKU # **P115336**  
Version **1**  
Analysis #: **399589**

Parameter	Limit Values	Result
Purity(Neutralization titration)	96.5-103.5 (%)	97.66 %
Purity(HPLC)	97-100 (%)	98.11600 %
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
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager