

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-25 17:14:28
Date of Next Testing: 2028-01-24 17:14:28
Product Name: 4,4',4'',4'''-(Porphine-5,10,15,20-tetrayl) tetrakis(benzoic acid)
CAS Number: 14609-54-2
Specifications & Purity: 97%
Lot #: A2412531
SKU #: P115336
Analysis: 309711

| Parameter | Limit Values | Result |
|----------------------------------|--|--|
| Purity(Neutralization titration) | 96.5-103.5 (%) | 101.85 % |
| Purity(HPLC) | 97-100 (%) | 97.90800 % |
| 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