

Certificate of Analysis

Date of Testing: 2023-08-02 18:46:49

Date of Next Testing: 2027-08-01 18:46:49

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

CAS Number: 14609-54-2

Specifications & Purity: 97%

Lot #: H2301105

SKU #: **P115336**

Analysis: 236619

Parameter	Limit Values	Result
Purity(Neutralization titration)	96.5-103.5 (%)	98.78 %
Purity(HPLC)	97-100 (%)	98.14300 %
Appearance (P115336)	Dark Blue to Purple to Black Powder to Crystal	Dark Blue to Purple to Black Powder to Crystal
Suitability for HPLC-analysis	pass test	pass test
Infrared spectrum	Conforms to Structure	Conforms to Structure
NMR (1H-NMR)	complies	complies



John Su
QA & QC Manager