

## Certificate of Analysis

Date of Testing: 2023-04-10 19:26:25  
Date of Next Testing: 2027-04-09 19:26:25  
Product Name: **4,4',4'',4'''-(Porphine-5,10,15,20-tetrayl) tetrakis(benzoic acid)**  
CAS Number: 14609-54-2  
Specifications & Purity: 97%  
Lot #: D2306123  
SKU #: **P115336**  
Analysis: **090464**

Parameter	Limit Values	Result
Purity(Neutralization titration)	96.5-103.5 (%)	98.80%
Purity(HPLC)	97-100 (%)	97.03100%
Appearance (P115336)	Purple Powder	Purple Powder
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