

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-03-05 17:04:22

Date of Next Testing: 2029-03-04 17:04:22

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

CAS Number: 14609-54-2

Specifications & Purity: Dye content 75 %

Lot #: C2503304

SKU # P115337

Version 1

Analysis #: 451221

Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Carbon by Elemental Analysis	53.5-74.4 (%)	65.38200 %
Nitrogen by Elemental Analysis	5.1-7.2 (%)	6.26700 %
Extinction Coefficient(408 - 414 nm)(5% Na ₂ CO ₃)	≥125000	153130.86980
Appearance (P115337)	Blue to Purple to Dark Purple to Black powder	Blue to Purple to Dark Purple to Black powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager