

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-05-19 08:58:05

Date of Next Testing: 2029-05-18 08:58:05

Product Name: **Protoporphyrin IX(PPIX)**

CAS Number: 553-12-8

Specifications & Purity: Moligand™, ≥95%

Lot #: E2513030

SKU #: **P103197**

Version: **0**

Analysis #: **433661**

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
EmM(in 3 M HCl,408-409nm)	200-300	276.00000
Purity(HPLC)	95-100 (%)	98.94000 %
Carbon by Elemental Analysis	68.6-76.6 (%)	69.20000 %
Nitrogen by Elemental Analysis	9.4-10.6 (%)	9.50000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (P103197)	Red to purple to Brown to Black Powder to solid	Red to purple to Brown to Black Powder to solid
Solubility in DMF/MeOH (1/1) , Dark Red to Brown ,10 mg/mL	pass	Pass



John Su
QA & QC Manager