

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-05-09 14:27:30  
Date of Next Testing: 2027-05-09 14:27:30  
Product Name: **Protoporphyrin IX disodium salt**  
CAS Number: 50865-01-5  
Specifications & Purity:  $\geq 90\%$  (HPLC)  
Lot #: D2428451  
SKU #: **P463193**  
**Analysis:** **348527**  
Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
Purity(HPLC area)	90-100 (%)	96.00%
Appearance(P463193)	Red to Very Dark Red and Purple to Very Dark Purple and Brown to Very Dark Brown and Very Dark Red-Brown Powder	Red to Very Dark Red and Purple to Very Dark Purple and Brown to Very Dark Brown and Very Dark Red-Brown Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
ICP: Confirms Sodium Component	Confirmed	Confirmed
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager