

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-01 17:59:43

Date of Next Testing: 2026-07-31 17:59:43

Product Name: **Protoporphyrin IX disodium salt**

CAS Number: 50865-01-5

Specifications & Purity:  $\geq 90\%$  (HPLC)

Lot #: G2327264

SKU #: **P463193**

**Analysis:** **253473**

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   |
| Proton NMR spectrum            | Conforms to Structure   | Conforms to Structure   |
| ICP: Confirms Sodium Component | Confirmed   | Confirmed   |



John Su  
QA & QC Manager