

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-30 10:47:40
 Date of Next Testing: 2025-08-19 10:47:40
 Product Name: **1,8-Dihydroxy-3-methylantraquinone**
 CAS Number: 481-74-3
 Specifications & Purity: 97%
 Lot #: H2322253
 SKU #: **D101144**
Analysis: 269383
 Storage Temperature: Store at 2-8°C

| Parameter | Limit Values | Result |
|---|---------------------------------------|---------------------------------------|
| E(287 +/- 3 NM) | ≥10000 | 12000.00 |
| E(225 +/- 3 NM) | ≥35000 | 45000.00 |
| Purity(HPLC) | 97-100 (%) | 98.25200% |
| E(256 +/- 3 NM) | ≥18000 | 20000.00 |
| Carbon by Elemental Analysis | 68.2-71.3 (%) | 70.35% |
| E(430 +/- 3 NM) | ≥10000 | 15000.00 |
| Melting point | 194-198 (°C) | 195.00000 °C |
| Appearance (D101144) | Yellow to Orange Powder and/or Chunks | Yellow to Orange Powder and/or Chunks |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in CHCL3 , Yellow, Gold or Orange, Clear to Hazy, 1% | pass | Pass |
| UV-Vis spectrometry , C=0.01g/L in ETOH | pass | Pass |



John Su
QA & QC Manager