

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

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|--------------------------|---|
| Date of Testing: | 2023-10-12 09:15:00 |
| Date of Next Testing: | 2025-10-01 09:15:00 |
| Product Name: | 1,8-Dihydroxy-3-methylantraquinone |
| CAS Number: | 481-74-3 |
| Specifications & Purity: | 97% |
| Lot #: | A2203418 |
| SKU # | D101144 |
| Analysis: | 284229 |
| Storage Temperature: | Store at 2-8°C |

| Parameter | Limit Values | Result |
|---|---------------------------------------|---------------------------------------|
| E(287 +/- 3 NM) | ≥10000 | 10000.50 |
| E(225 +/- 3 NM) | ≥35000 | 350001.00 |
| Purity(HPLC) | 97-100 (%) | 99.11000% |
| E(256 +/- 3 NM) | ≥18000 | 18000.30 |
| Carbon by Elemental Analysis | 68.2-71.3 (%) | 68.60% |
| E(430 +/- 3 NM) | ≥10000 | 10000.80 |
| Melting point | 194-198 (°C) | 195.20000 °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