

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

| | |
|--------------------------|--|
| Date of Testing: | 2024-10-12 17:21:58 |
| Date of Next Testing: | 2028-10-11 17:21:58 |
| Product Name: | 2,5-Dihydroxybenzoic acid |
| CAS Number: | 490-79-9 |
| Specifications & Purity: | matrix substance for MALDI-MS, >99.0% (HPLC) |
| Lot #: | J2410573 |
| SKU # | D119198 |
| Version | 0 |
| Analysis #: | 413039 |
| Storage Temperature: | Protected from light |

| Parameter | Limit Values | Result |
|---|------------------------------------|------------------------------------|
| Magnesium(Mg) | 0-5 (ppm) | 0.00 ppm |
| Copper(Cu) | 0-5 (ppm) | 0.00 ppm |
| Lead(Pb) | 0-5 (ppm) | 0.00 ppm |
| Potassium(K) | 0-5 (ppm) | 0.00 ppm |
| abs. absorption/337 nm | ≥2000 | 4284.50 |
| Nickel(Ni) | 0-5 (ppm) | 0.00 ppm |
| Purity(HPLC) | 99-100 (%) | 99.97000 % |
| Cobalt(Co) | 0-5 (ppm) | 0.00 ppm |
| Sodium(Na) | 0-5 (ppm) | 2.00 ppm |
| Purity(Neutralization titration) | 98.5-101.5 (%) | 100.00 % |
| Zinc(Zn) | 0-5 (ppm) | 0.00 ppm |
| Manganese(Mn) | 0-5 (ppm) | 0.00 ppm |
| Barium(Ba) | 0-5 (ppm) | 0.00 ppm |
| Cadmium(Cd) | 0-5 (ppm) | 0.00 ppm |
| Calcium(Ca) | 0-5 (ppm) | 0.00 ppm |
| Chromium(Cr) | 0-5 (ppm) | 0.00 ppm |
| Iron(Fe) | 0-5 (ppm) | 0.00 ppm |
| Melting point | 200-207 (°C) | 206.98000 °C |
| Appearance (D119198) | white to yellow | white to yellow |
| | crystals,powder,crystalline powder | crystals,powder,crystalline powder |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in MeOH , Colorless to Yellow,Clear,10 mg/mL | pass | Pass |



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A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager