

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

|                          |  |
|--------------------------|--|
| Date of Testing:         | 2023-05-29 10:20:00                          |
| Date of Next Testing:    | 2027-05-28 10:20:00                          |
| Product Name:            | <b>2,5-Dihydroxybenzoic acid</b>             |
| CAS Number:              | 490-79-9                                     |
| Specifications & Purity: | matrix substance for MALDI-MS, >99.0% (HPLC) |
| Lot #:                   | E2323400                                     |
| SKU #                    | <b>D119198</b>                               |
| <b>Analysis:</b>         | <b>218677</b>                                |
| 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)                          | 2.00 ppm                           |
| abs. absorption/337 nm                                  | ≥2000                              | 4020.52                            |
| Nickel(Ni)  | 0-5 (ppm)                          | 0.00 ppm                           |
| Purity(HPLC)  | 99-100 (%)                         | 99.93000 %                         |
| Cobalt(Co)  | 0-5 (ppm)                          | 0.00 ppm                           |
| Sodium(Na)  | 0-5 (ppm)                          | 2.00 ppm                           |
| Purity(Neutralization titration)                        | 98.5-101.5 (%)                     | 99.86 %                            |
| 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                           |
| Chromium(Cr)  | 0-5 (ppm)                          | 0.00 ppm                           |
| Iron(Fe)  | 0-5 (ppm)                          | 0.00 ppm                           |
| Melting point   | 200-207 (°C)                       | 206.93000 °C                       |
| Calcium(Ca)   | 0-5 (ppm)                          | 4.90 ppm                           |
| Appearance (D119198)                                    | white to yellow                    | white to yellow                    |
|   | crystals,powder,crystalline powder | crystals,powder,crystalline powder |
| Solubility in MeOH , Colorless to Yellow,Clear,10 mg/mL | pass                               | Pass                               |
| Infrared spectrum                                       | Conforms to Structure              | Conforms to Structure              |



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

John Su  
QA & QC Manager