



## CERTIFICATE OF ANALYSIS

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### 1. Identification

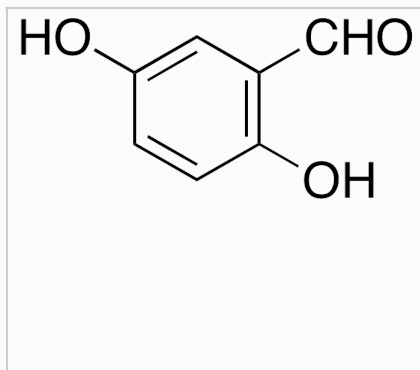
**Catalogue Number:** D451005

**CAS Number:** 1194-98-5

**Product:** 2,5-Dihydroxybenzaldehyde

**Synonym:** 5-Hydroxysalicylaldehyde; Gentisaldehyde; Formylhydroquinone; NSC 72387;

**Structure:**



**Molecular Formula:**

C<sub>7</sub>H<sub>6</sub>O<sub>3</sub>

**Molecular weight:**

138.12

**Source of Product:**

N/A

**Solubility:**

DMSO (Sparingly), Methanol (Slightly)

**Lot Number:** 5-GHZ-88-1

**Purity:** 94%

**Shipping Condition:** This Product Is Stable To Be Shipped At Room Temperature

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:** Not Determined

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

| Tests:             | Specifications:                | Results:                                  |
|--------------------|--------------------------------|---|
| Appearance         | Brown to Very Dark Beige Solid | Very Dark Yellow to Very Dark Beige Solid |
| NMR                | Conforms to Structure          | Conforms                                  |
| MS                 | Conforms to Structure          | Conforms                                  |
| Elemental Analysis | Conforms                       | %C: 60.21, %H: 4.40                       |
| GC                 | Report Result                  | 96.58%                                    |

#### Additional Information:

TLC Conditions: SiO<sub>2</sub>; Hexanes : Ethyl Acetate = 7 : 3; Visualized with UV, AMCS, and KMnO<sub>4</sub>; Single Spot, R<sub>f</sub> = 0.40. Elemental Analysis: (Theoretical) %C: 60.87, %H: 4.38

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

### 4. Signatures

| Reviewed By | Reviewed By   | C of A Approved By | Test Date | Retest Date |
|-------------|---------------|--------------------|-----------|-------------|
| Eric Beaton | Toni Rantanen | My Nguyen          | 2/6/2020  | 2/4/2030    |
|             |               |                    |           |             |