



## CERTIFICATE OF ANALYSIS

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### 1. Identification

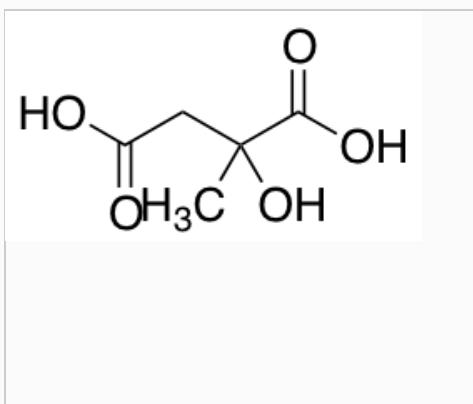
**Catalogue Number:** A240088

**CAS Number:** 2306-22-1

**Product:** DL-Citramalic Acid

**Synonym:**

**Structure:**



**Molecular Formula:**

C5H8O5

**Molecular weight:**

148.11

**Source of Product:**

N/A

**Solubility:**

Acetone (Slightly), Chloroform (Slightly), Ethanol (Slightly), Methanol (Slight)

**Lot Number:** 2-OBI-3-1

**Purity:** 98%

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

**Storage Condition:** 20°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

<b>Tests:</b>	<b>Specifications:</b>	<b>Results:</b>
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MS Conforms to Structure Conforms

HPLC Purity Report Result 96.97% (ELSD)

NMR Conforms to Structure Conforms

Appearance Off-White to Pale Beige Solid Off-White to Pale Beige Solid

**Additional Information:** N/A

**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

<b>Reviewed By</b>	<b>Reviewed By</b>	<b>C of A Approved By</b>	<b>Test Date</b>	<b>Retest Date</b>
Sarjeet Kaur	Toni Rantanen	Chanell Chu	7/14/2022	7/12/2026