



## CERTIFICATE OF ANALYSIS

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### 1. Identification

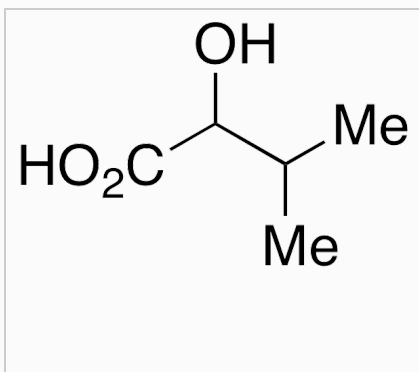
**Catalogue Number:** H946510

**CAS Number:** 4026-18-0

**Synonym:** (±)-2-Hydroxy-3-methylbutyric Acid; (±)-2-Hydroxyisopentanoic Acid; (±)-2-Hydroxyisovaleric Acid; (±)-α-Hydroxyisovaleric Acid; 2-Hydroxy-3-methylbutanoic Acid; 2-Hydroxyisovaleric Acid; 2-Oxyisovaleric Acid; 3-Methyl-2-hydroxybutyric Acid; DL-2-Hydroxy-3-methylbutanoic Acid; DL-2-Hydroxyisovaleric Acid; DL-α-Hydroxyisovaleric Acid; NSC 227884; dl-2-Hydroxyisovaleric Acid; α-Hydroxyisovaleric Acid;

**Product:** 2-Hydroxy-3-methylbutyric Acid

**Structure:**



**Molecular Formula:**

C<sub>5</sub>H<sub>10</sub>O<sub>3</sub>

**Molecular weight:**

118.13

**Source of Product:**

N/A

**Solubility:**

DMSO (Sparingly), Methanol (Slightly)

**Lot Number:** 22-XJZ-124-1

**Purity:** 98%

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

**Storage Condition:** 4°C

### 2. Warning

**Warning 1:**

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White Solid	White Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	97.45% (ELSD)
MS	Conforms to Structure	Conforms

**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

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Sarbjeeet Kaur	Toni Rantanen	Chanell Chu	5/15/2023	5/13/2030
				