



## CERTIFICATE OF ANALYSIS

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### 1. Identification

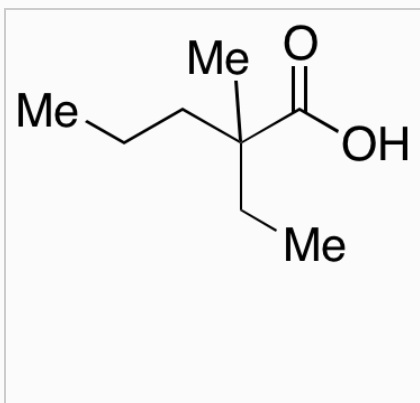
**Catalogue Number:** E924290

**CAS Number:** 5343-52-2

**Product:** 2-Ethyl-2-methylpentanoic Acid

**Synonym:** 2-Ethyl-2-methylvaleric Acid; 2-Ethyl-2-methylpentanoic Acid; 2-Methyl-2-ethylpentanoic Acid; NSC 466;  $\alpha$ -Ethyl- $\alpha$ -methylvaleric Acid;  $\alpha$ -Methyl- $\alpha$ -ethylvaleric Acid; Valproic Acid Related Compound K

**Structure:**



**Molecular Formula:**

$C_8H_{16}O_2$

**Molecular weight:**

144.21

**Source of Product:**

N/A

**Solubility:**

Chloroform (Sparingly),  
Ethanol (Slightly), Methanol  
(Slightly)

**Lot Number:** 711833578-1-1

**Purity:** 97%

**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:
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 67.47, %H: 11.57
MS	Conforms to Structure	Conforms
Appearance	Colourless to Yellow Oil	Clear Colourless Oil
GC Purity	Report Result	98.51%
C NMR	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  $\pm 2\%$ . 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
Sarbjit Kaur	Toni Rantanen	Chanell Chu	7/14/2023	7/12/2027