



## CERTIFICATE OF ANALYSIS

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### 1. Identification

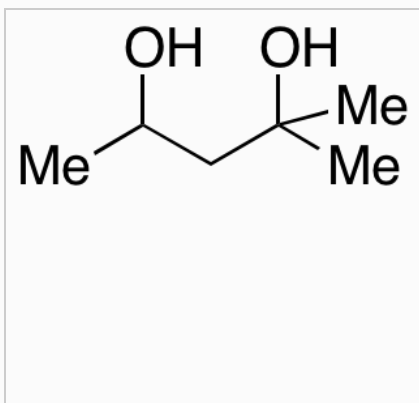
**Catalogue Number:** H295870

**CAS Number:** 107-41-5

**Product:** Hexylene Glycol

**Synonym:** (±)-2-Methyl-2,4-pentanediol; 1,1,3-Trimethyltrimethylenediol; 2,4-Dihydroxy-2-methylpentane; 2-Methyl-2,4-pentanediol; Diolane; Isol; MPD; NSC 8098; α,α,α'-Trimethyltrimethylene Glycol

**Structure:**



**Molecular Formula:**

C<sub>6</sub>H<sub>14</sub>O<sub>2</sub>

**Molecular weight:**

118.17

**Source of Product:**

N/A

**Solubility:**

Chloroform (Sparingly), Ethyl Acetate (Slightly) Methanol (Slightly)

**Lot Number:** 6-HBN-109-1

**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         | Colourless Oil        | Clear Colourless Oil |
| NMR                | Conforms to Structure | Conforms             |
| MS                 | Conforms to Structure | Conforms             |
| GC                 | Report Result         | 100.00%              |
| C NMR              | Conforms to Structure | Conforms             |
| Elemental Analysis | Conforms              | %C: 61.44, %H: 12.32 |

**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 |
|-------------|---------------|--------------------|-----------|-------------|
| Nicole Yip  | Toni Rantanen | Chanell Chu        | 1/16/2023 | 1/14/2030   |