



## CERTIFICATE OF ANALYSIS

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### 1. Identification

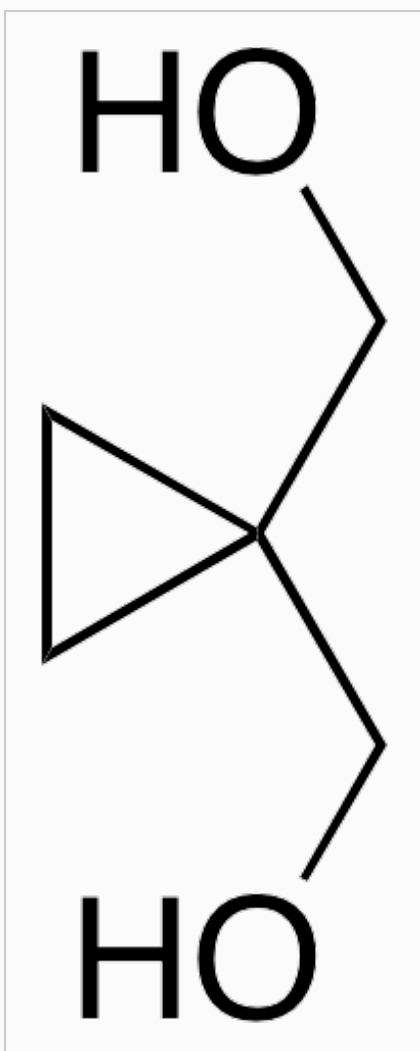
**Catalogue Number:** B445050

**CAS Number:** 39590-81-3

**Product:** 1,1-Bis(hydroxymethyl)cyclopropane

**Synonym:** 1,1-Cyclopropanedimethanol; 1,1-Di(hydroxymethyl)cyclopropane; 2,2-(1,2-Ethylene)-1,3-propanediol; Cyclopropane-1,1-bis(methanol);

**Structure:**



**Molecular Formula:**

$C_5H_{10}O_2$

**Molecular weight:**

102.13

**Source of Product:**

N/A

**Solubility:**

Chloroform, Ethyl Acetate  
(Slightly)

**Lot Number:** 14-SCC-181-1

**Purity:** 95%

**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	Colourless to Off-White Oil to Semi-Solid	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 56.36, %H: 10.00
MS	Conforms to Structure	Conforms
Water Content	Report Result	4.2% based on Elemental Analysis
GC	>95%	96.98%

**Additional Information:**

TLC Conditions: SiO<sub>2</sub>; Dichloromethane : Methanol = 4 : 1; Visualized with AMCS and KMnO<sub>4</sub>; R<sub>f</sub> = 0.60. Elemental Analysis: (Theoretical) %C: 58.80, %H: 9.87

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	1/8/2020	1/6/2027
