



CERTIFICATE OF ANALYSIS

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1. Identification

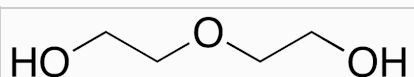
Catalogue Number: D444285

CAS Number: 111-46-6

Product: Diethylene Glycol

Synonym: 1,5-Dihydroxy-3-oxapentane; 2-Hydroxyethoxyethanol; 3-Oxapentamethylene-1,5-diol; 3-Oxapentane-1,5-diol; Ethylene Diglycol; NSC 36391

Structure:



Molecular Formula:

C₄H₁₀O₃

Molecular weight:

106.12

Source of Product:

N/A

Solubility:

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

Lot Number: 2023-GHZ-082

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
Elemental Analysis	Conforms	%C: 45.26, %H: 9.92
GC Purity	Report Result	99.96%
MS	Conforms to Structure	Conforms
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
Henry Tieu	Toni Rantanen	Chanell Chu	3/1/2023	2/27/2027