



CERTIFICATE OF ANALYSIS

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1. Identification

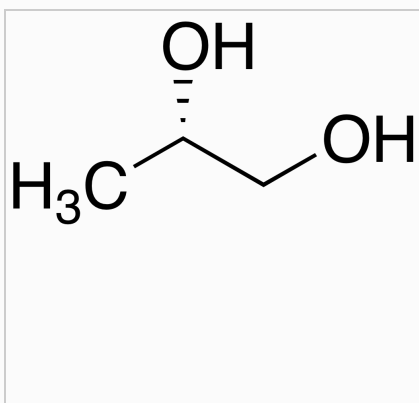
Catalogue Number: P760305

CAS Number: 4254-15-3

Synonym: (2S)-1,2-Propanediol; (+)-(S)-1,2-Propanediol; (+)-1,2-Propanediol; (2S)-Propane-1,2-diol; (S)-(+)-Propane-1,2-diol; (S)-(+)-Propylene Glycol; (S)-1,2-Propanediol; (S)-2-Hydroxy-1-propanol; (S)-2-Hydroxypropanol; (S)-Propane-1,2-diol; (S)-Propylene Glycol; 1,2(S)-Propanediol; 3-Deoxy-sn-glycerol; L-(+)-Propanediol; L-(+)-Propylene Glycol; L-1,2-Propanediol; d-Propylene Glycol

Product: (S)-(+)-Propane-1,2-diol

Structure:



Molecular Formula:

C₃H₈O₂

Molecular weight:

76.09

Source of Product:

N/A

Solubility:

Chloroform (Soluble),
Methanol (Slightly), Water
(Slightly)

Lot Number: 2023-GHZ-136

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: 47.26, %H: 11.28
GC Purity	Report Result	99.94%
Specific Rotation	Report Result	+19.1° (c = 0.1, Water)
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 ± 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	Christina Gouliaras	4/3/2023	4/1/2027
				