



CERTIFICATE OF ANALYSIS

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1. Identification

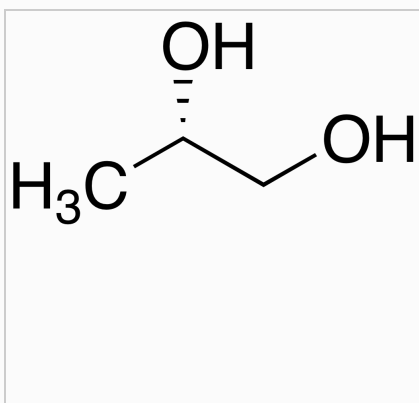
Catalogue Number: P760305

CAS Number: 4254-15-3

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

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

Structure:



Molecular Formula:

C₃H₈O₂

Molecular weight:

76.09

Source of Product:

N/A

Solubility:

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

Lot Number: 2-PVA-22-1

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:
HPLC Purity	Report Result	99.51%
Appearance	Colourless Oil	Clear Colourless Oil
Elemental Analysis	Conforms	%C: 46.28, %H: 10.72
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Specific Rotation	Report Result	+18.9° (c = 0.1, Water)

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
Neha Khanna	Toni Rantanen	Chanell Chu	11/30/2021	11/28/2025
				