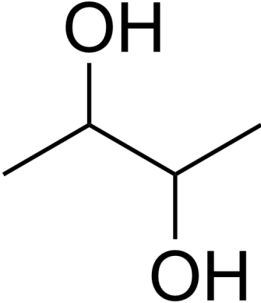
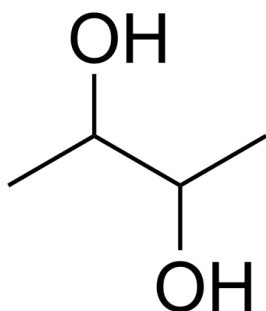


Certificate of Analysis

Compound Information

Product Name:	2,3-Butanediol
Cat. No.:	1170142
CAS No.:	513-85-9
Molecular Formula:	C ₄ H ₁₀ O ₂
Molecular Weight:	90.12
Chemical Structure:	



Batch Information

Batch No.:	L359014
Storage:	Storage temp. 2-8°C
Test Date:	2024-02-27
Retest Date:	2027-02-26
Origin:	Shanghai, China

QC Summary

Appearance:	Colorless to light yellow (Liquid)
¹ H NMR Spectrum:	Consistent with structure
Purity (NMR):	≥98.0%
Water(KF):	0.39%
Optical Rotation[α]:	-8.5750° (C=0.5g/100ml CHCL ₃)
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

Tel: 400-821-0725

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