

### Certificate of Analysis

**Product:** n-Butanol  
**Item Number:** NBTALCL  
**Grade:** Lab  
**Lot Number:** 5000059/1.1  
**Manufacture Date:** 01/05/2023  
**Expiration Date:** 01/04/2025  
**Country of Origin:** United States

Tested Property	Specification	Analysis
Appearance		Passes
Color, PTCO	max. 10	3
Water, w%	Max. 0.100	0.100
Specific Gravity @ 20/20°C, Å°	0.8100 - 0.8120	0.8110
Acidity as Acetic Acid, W%	Max. 0.005	0.002
carbonyl as C=O, W%	Max. 0.050	0.001
Nonvolatile matter, g/dl	Max. 0.005	0.001
Iron, ppm	Max. 0.3	0.0
n-Butanol, w%	Min. 99.800	99.895
Isobutanol, W%	Max. 0.100	0.056
Di-n-butyl Ether, W%	Max. 0.100	0.028
n-butyraldehyde, w%	Max. 0.0230	0.001
Appearance	Clear liquid	Passes
Color, Pt-Co	Max. 10	3
Water	Max. 0.100 wt%	0.100
Specific Gravity @ 20/20°C	0.8100 - 0.8120	0.8110
Acidity as Acetic Acid	Max. 0.005 wt%	0.002
Carbonyl as C=O	Max. 0.050 wt%	0.001
Nonvolatile matter	Max. 0.005 g/dl	0.001
Iron	Max. 0.3 ppm	0.0

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Isobutanol	Max. 0.100 wt%	0.056
Di-n-butyl Ether	Max. 0.100 wt%	0.028
n-butyraldehyde	Max. 0.0230 wt%	0.001

[n-Butanol](#)

Note: The information and recommendations of Lab Alley concerning this product are based upon laboratory tests and experience. To the best of our knowledge and belief these are true and accurate, however Lab Alley assumes no obligation or liability for the information in this document. Since conditions of actual use are beyond our control, any recommendations or suggestions regarding merchantability and fitness for particular purposes are made without warranty, expressed or implied.

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