

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

1-Butanol - 99.9%

Product Number:

537993

Batch Number:

SHBL3941

Brand:

SIGALD

CAS Number:

71-36-3

MDL Number:

MFCD00002964

Formula:

C₄H₁₀O

Formula Weight:

74.12 g/mol

Quality Release Date:

25 JUL 2019



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Water (by Karl Fischer)	≤ 0.1 %	< 0.1 %
Specific Gravity at 20 Degrees Celsius	0.810 - 0.812	0.811
Acidity as Acetic Acid	≤ 0.005 %	0.001 %
Iron (Fe)	≤ 0.3 ppm	< 0.3 ppm
Color Test	≤ 10 APHA	5 APHA
Impurity as Di-N-Butyl Ether	≤ 0.100 %	0.001 %
Nonvolatile Matter	≤ 0.005 %	< 0.001 %
Purity N-Butanol	≥ 99.80 % wt	100.00 % wt
Carbonyl as C=O	≤ 0.050 %	< 0.001 %
Impurity as N-Butyraldehyde	≤ 0.020 %	< 0.001 %
Impurity as Isobutyl Alcohol	≤ 0.100 %	0.038 %

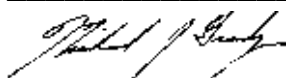
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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Michael Grady, Manager
Quality Control
Sheboygan Falls, WI US

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