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Product Specification

Product Name:
1-Butanol - 99.9%

Product Number: 537993
CAS Number: 71-36-3
MDL: MFCD00002964
Formula: C₄H₁₀O
Formula Weight: 74.12 g/mol



TEST	Specification
Appearance (Color)	Colorless
Appearance (Form)	Liquid
Infrared spectrum	Conforms to Structure
Water (by Karl Fischer)	≤ 0.1 %
Specific Gravity at 20 Degrees Celsius	0.810 - 0.812
Acidity (as Acetic Acid) as Acetic Acid	≤ 0.005 %
Iron (Fe)	≤ 0.3 ppm
Color Test	≤ 10 APHA
Impurity Di-N-Butyl Ether as Di-N-Butyl Ether	≤ 0.100 %
Nonvolatile Matter G/100 ML	≤ 0.002
Purity (N-Butanol) N-Butanol	≥ 99.80 % wt
Carbonyl as C=O	≤ 0.050 %
Impurity (N-BUTYRALDEHYDE) as N-Butyraldehyde	≤ 0.020 %
Impurity (ISOBUTYL ALCOHOL) as Isobutyl Alcohol	≤ 0.100 %

Specification: PRD.0.ZQ5.10000020152

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.