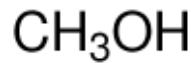


3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Methanol - HPLC Plus, $\geq 99.9\%$

Product Number: 646377
CAS Number: 67-56-1
MDL: MFCD00004595
Formula: CH₄O
Formula Weight: 32.04 g/mol



TEST	Specification
Appearance (Color)	Colorless
Appearance (Form)	Liquid
Infrared Spectrum	Conforms to Structure
Color Test	≤ 10 APHA
UV Absorbance 400nm	≤ 0.005
UV Absorbance 250nm	≤ 0.02
UV Absorbance 230nm	≤ 0.10
UV Absorbance 220nm	≤ 0.20
UV Absorbance 210nm	≤ 0.80
UV Absorbance 205nm	≤ 1.0
Purity (GC)	$\geq 99.90\%$
Water (by Karl Fischer)	$\leq 0.05\%$
Residue on Evaporation	$\leq 0.0001\%$
Fluorescence 365nm as Quinine	≤ 1.0 ppb
Fluorescence 254nm	≤ 1.0 ppb
Titrateable Acid (meq/g)	≤ 0.0003
Titrateable Base (meq/g)	≤ 0.0002
Carbonyl 0.001% (maximum) each of acetone, formaldehyde, and acetaldehyde	Pass
HPLC Absorbance 230 nm	≤ 2 mAU
HPLC Absorbance 254 nm	≤ 5 mAU
Recommended Retest Period 5 Years	-----

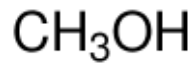
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser 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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TEST	Specification
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Specification: PRD.4.ZQ5.10000005255

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