

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

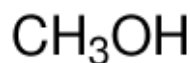
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

Product Specification

Product Name:
Methanol - for HPLC, gradient grade, suitable as ACS-grade LC reagent, ≥99.9%

Product Number: 439193
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	≤ 0.01
UV Absorbance 260nm	≤ 0.01
UV Absorbance 240nm	≤ 0.05
UV Absorbance 230nm	≤ 0.15
UV Absorbance 220nm	≤ 0.30
UV Absorbance 210nm	≤ 0.60
UV Absorbance 203nm	≤ 1.0
Purity (GC)	≥ 99.90 %
Residue on Evaporation	≤ 0.0003 %
Water (by Karl Fischer)	≤ 0.03 %
HPLC Absorbance 254 nm	≤ 0.005 Abs UN
Solubility	Pass
Substances Darkened (by H ₂ SO ₄)	Pass
Substances reducing MnO ₄	Pass
Titration Acid (meq/g)	≤ 0.0003
Titration Base (meq/g)	≤ 0.0002
Carbonyl	Pass
0.001% (maximum) each of acetone, formaldehyde, and acetaldehyde	
Meets ACS Requirements	Current ACS Specification

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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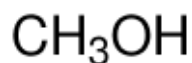
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**TEST****Specification**

Specification: PRD.3.ZQ5.10000013026

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