

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)

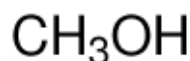
Email USA: [techserv@sial.com](mailto:techserv@sial.com)

Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
Methanol - HPLC Plus, ≥99.9%, poly-coated bottles

**Product Number:** 650609  
**CAS Number:** 67-56-1  
**MDL:** MFCD00004595  
**Formula:** CH<sub>4</sub>O  
**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)	≥ 99.90 %
Water (by Karl Fischer)	≤ 0.05 %
Residue on Evaporation	≤ 0.0001 %
Fluorescence 365nm as Quinine	≤ 1.0 ppb
Fluorescence 254nm as Quinine	≤ 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

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](http://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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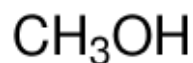
MFCD00004595

Formula:

CH<sub>4</sub>O

Formula Weight:

32.04 g/mol

**TEST****Specification**

Recommended Retest Period

5 Years

Specification: PRD.7.ZQ5.1000005256

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