

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaldrich.com](http://www.sigmaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
Peppermint oil – purified by rectification, FCC, FG

**Product Number:** W284807  
**CAS Number:** 8006-90-4  
**MDL:** MFCD00147870  
**Formula:** C10H16  
**Formula Weight:** 136.2 g/mol

TEST	Specification
Appearance (Color)	Colorless to Light Yellow
Appearance (Form)	Liquid
Refractive index at 20 ° C	1.459 - 1.465
Infrared spectrum	Conforms to Structure
Dimethyl Sulfide Test	Pass
Specific Gravity	0.896 - 0.908
at 25 Degrees Celsius	
Solubility (Turbidity)	Clear
Solubility (Color)	Colorless to Faint Yellow
c = 1 mL/3 mL; 70% Ethanol	
Alcohol Content	≥ 50.0 %
as Menthol	
Saponification Value	≥ 5.0 %
as Menthyl Acetate (C12H22O2)	
Optical Rotation	-32.0 - -18.0 deg
c = Neat	
Arsenic (As)	≤ 3 ppm
Cadmium (Cd)	≤ 1 ppm
Mercury (Hg)	≤ 1 ppm
Lead (Pb)	≤ 10 ppm
Expiration Date Period	-----
5 Years	

Specification: PRD.2.ZQ5.10000030902

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.