

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:  
Heptane – HPLC Plus, for HPLC, GC, and residue analysis, 99%

Product Number:	650536	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>5</sub> CH <sub>3</sub>
CAS Number:	142-82-5	
MDL:	MFCD00009544	
Formula:	C <sub>7</sub> H <sub>16</sub>	
Formula Weight:	100.20 g/mol	

TEST	Specification
Appearance (Color)	Colorless
Appearance (Form)	Liquid
Refractive index at 20 ° C	1.3850 - 1.3890
Infrared Spectrum	Conforms to Structure
UV Absorbance 400nm	≤ 0.005
UV Absorbance 300nm	≤ 0.005
UV Absorbance 250nm	≤ 0.01
UV Absorbance 225nm	≤ 0.10
UV Absorbance 200nm	≤ 1.0
Purity (GC)	≥ 98.5 %
GC (ug/L)	≤ 2
as Heptachlor Epoxide	
Water (by Karl Fischer)	≤ 0.01 %
Residue on Evaporation	≤ 0.0001 %
Fluorescence 365nm	≤ 1.0 ppb
as Quinine	

Specification: PRD.1.ZQ5.10000024047

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.