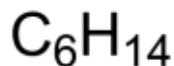


Certificate of Analysis

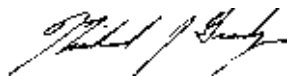
Product Name:

Hexane, mixture of isomers - for HPLC, ≥98.5%

Product Number: 293253
Batch Number: SHBM3738
 Brand: SIGALD
 MDL Number: MFCD00009520
 Formula: C₆H₁₄
 Formula Weight: 86.18 g/mol
 Quality Release Date: 15 JUN 2020



| Test | Specification | Result |
|---|-----------------------|------------|
| Appearance (Color) | Colorless | Colorless |
| Appearance (Form) | Liquid | Liquid |
| Refractive index at 20 °C | 1.377 - 1.382 | 1.380 |
| Infrared Spectrum | Conforms to Structure | Conforms |
| UV Absorbance 400nm | ≤ 0.01 | < 0.01 |
| UV Absorbance 250nm | ≤ 0.01 | < 0.01 |
| UV Absorbance 240nm | ≤ 0.02 | < 0.01 |
| UV Absorbance 230nm | ≤ 0.05 | 0.01 |
| UV Absorbance 220nm | ≤ 0.10 | 0.04 |
| UV Absorbance 210nm | ≤ 0.30 | 0.11 |
| UV Absorbance 195nm | ≤ 1.0 | 0.4 |
| GC Purity (sum of isomers) plus Methylcyclopentane | ≥ 98.50 %A | 99.95 %A |
| Water (by Karl Fischer) | ≤ 0.02 % | < 0.01 % |
| Residue on Evaporation | ≤ 0.0005 % | 0.0002 % |
| Color Test | ≤ 10 APHA | < 5 APHA |
| Sulfur Compounds (as S) | < = 0.005% | < = 0.005% |
| Water Soluble Titratable Acid meq/g | ≤ 0.0003 | 0.0001 |
| Thiophene | Pass | Pass |



Michael Grady, Manager

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.



Certificate of Analysis

Product Number: 293253
Batch Number: SHBM3738

Quality Control
Sheboygan Falls, WI US

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