

## Certificate of Analysis

**Product Name:** Heptane  
suitable for HPLC, ≥99%

**Product Number:** 34873

**Batch Number:** SDBB2051

**CAS Number:** 142-82-5

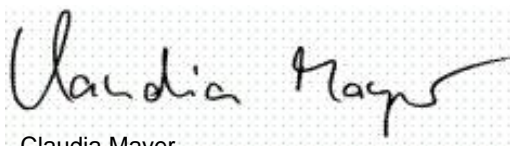
**Formula:** C<sub>7</sub>H<sub>16</sub>

**Formula Weight:** 100.20

**Quality Release Date:** 16 MAY 2025

**Recommended Retest Date:** DEC 2029

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	COLORLESS	COLORLESS
APPEARANCE (FORM)	LIQUID	LIQUID
COLOR (IN APHA)	≤ 10 APHA	10 APHA
TITRATABLE ACID	FREE ACID ≤ 0.001 % AS ACETIC ACID	< 0.001 %
PURITY (GC AREA %)	≥ 99.0 %	99.4 %
REFRACTIVE INDEX N20/D	1.3850 - 1.3890	1.3870
WATER (COULOMETR.)	≤ 0.01 %	< 0.01 %
RESIDUE (EVAPORATION)	≤ 0.0003 %	< 0.0001 %
UV-ABSORBANCE	≤ 0.01 AT 400NM	0.01
UV-ABSORBANCE	≤ 0.01 AT 260NM	0.01
UV-ABSORBANCE	≤ 0.01 AT 245NM	0.01
UV-ABSORBANCE	≤ 0.05 AT 230NM	0.03
UV-ABSORBANCE	≤ 0.10 AT 220NM	0.07
UV-ABSORBANCE	≤ 0.40 AT 210NM	0.21
UV-ABSORBANCE	≤ 0.70 AT 200NM	0.54
Miscellaneous Assay	FLUORESCENCE 254 NM: ≤ 1.0 PPB AS QUININE FLUORESCENCE 365 NM: ≤ 1.0 PPB AS QUININE	0.1 PPB 0.1 PPB



Claudia Mayer

Manager Quality Control

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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