

Certificate of Analysis

Product Name: Hexanoic acid
>= 98 %, FCC, FG

Product Number: W255904

Batch Number: STBK6346

CAS Number: 142-62-1

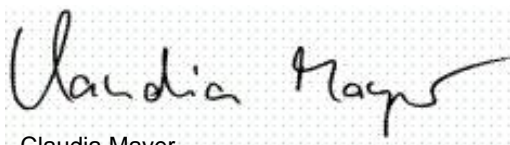
Formula: CH₃(CH₂)₄COOH

Formula Weight: 116.16

Expiration Date: FEB 2027

Quality Release Date: 03 MAR 2022

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	COLORLESS TO VERY FAINT YELLOW	VERY FAINT YELLOW
APPEARANCE (FORM)	LIQUID	LIQUID
TITRATION (T) NAOH 0.1M	98.0 - 102.0 %	100.5 %
PURITY (GC AREA %)	≥ 98.0 %	> 99.9 %
SPECIFIC GRAVITY	0.923 - 0.928	0.926
TEMPERATURE	25 DEG C	25 DEG C
REFRACTIVE INDEX N20/D	1.415 - 1.418	1.417
FREEZING POINT	≥ -4.5 DEG C	-2.2 C
INFRARED SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS
ARSENIC (ICP)	≤ 3 PPM	< 1 PPM
CADMIUM (ICP)	≤ 1 PPM	< 1 PPM
MERCURY (ICP)	≤ 1 PPM	< 1 PPM
LEAD (ICP)	≤ 10 PPM	< 1 PPM



Claudia Mayer

Manager Quality Control

Steinheim, Germany

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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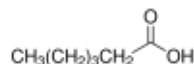


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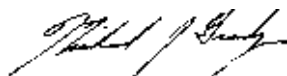
Product Name:

Hexanoic acid - ≥98%, FCC, FG

Product Number: W255904
Batch Number: SHBN4190
 Brand: ALDRICH
 CAS Number: 142-62-1
 MDL Number: MFCD00004421
 Formula: C₆H₁₂O₂
 Formula Weight: 116.16 g/mol
 Quality Release Date: 25 MAY 2021
 Expiration Date: MAY 2026



Test	Specification	Result
Appearance (Color)	Colorless to Very Faint Yellow	Colorless
Appearance (Form)	Liquid	Liquid
Refractive index at 20 °C	1.415 - 1.418	1.417
Infrared Spectrum	Conforms to Structure	Conforms
Specific Gravity	0.923 - 0.928	0.926
Purity (Titration by NaOH)	98.0 - 102.0 %	99.4 %
Purity (GC)	≥ 98.0 %	99.5 %
Solidification Point	≥ -4.5 °C	-3.5 °C
Arsenic (As)	≤ 3 ppm	< 1 ppm
Cadmium (Cd)	≤ 1 ppm	< 1 ppm
Mercury (Hg)	≤ 1 ppm	< 1 ppm
Lead (Pb)	≤ 10 ppm	< 1 ppm
Expiration Date Period	-----	-----
5 Years		



Michael Grady, Manager
 Quality Control
 Milwaukee, WI US

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