

Certificate of Analysis

Product Name: HEXANE
 puriss. p.a., ACS reagent, reag. Ph. Eur., >= 99 % GC

Product Number: 32293

Batch Number: STBG5716V ✓

Brand: Sigma-Aldrich

CAS Number: 110-54-3

Formula: CH₃(CH₂)₄CH₃

Formula Weight: 86.18

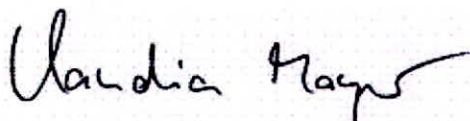
Quality Release Date: 06 DEC 2016

Recommended Retest Date: MAR 2020

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	COLORLESS	COLORLESS
APPEARANCE (FORM)	LIQUID	LIQUID
COLOR (IN APHA)	≤ 10 APHA	< 10
TITRATABLE ACID	FREE ACID (AS CH ₃ COOH): ≤ 0.002 %	< 0.002%
PURITY (GC AREA %)	≥ 99.0 %	99.3 %
DENSITY D20/4	0.658 - 0.662	0.660
SPECIFIC GRAVITY	0.659 - 0.663 AT 20 DEG C	0.661
REFRACTIVE INDEX N20/D	1.3745 - 1.3755	1.3730
BOILING RANGE (ASTM)	68 - 69 DEG C (≥ 95 %)	68 - 69 DEG C
WATER (COULOMETR.)	≤ 0.01 %	< 0.01%
RESIDUE (EVAPORATION)	≤ 0.0010 %	< 0.0010%
MISCELLANEOUS TESTS	AROMATIC SUBSTANCES ≤ 0.01 % (AS C ₆ H ₆)	< 0.01 %
ACS SPECIFICATIONS	THIOPHENE ≤ 0.0001 %	< 0.0001 %
ALUMINIUM (ICP)	≤ 0.50 PPM	< 0.50 PPM
BARIUM (ICP)	≤ 0.10 PPM	< 0.10 PPM
BORON (ICP)	≤ 0.02 PPM	< 0.02 PPM
CALCIUM (ICP)	≤ 0.50 PPM	< 0.50 PPM
CADMIUM (ICP)	≤ 0.05 PPM	< 0.05 PPM
COBALT (ICP)	≤ 0.02 PPM	< 0.02 PPM
CHROMIUM (ICP)	≤ 0.02 PPM	< 0.02 PPM
COPPER (ICP)	≤ 0.02 PPM	< 0.02 PPM
IRON (ICP)	≤ 0.10 PPM	< 0.10 PPM
MAGNESIUM (ICP)	≤ 0.10 PPM	< 0.10 PPM

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MANGANESE (ICP)	≤ 0.02 PPM	< 0.02 PPM
NICKEL (ICP)	≤ 0.02 PPM	< 0.02 PPM
LEAD (ICP)	≤ 0.1 PPM	< 0.10 PPM
TIN (ICP)	≤ 0.10 PPM	< 0.10 PPM
ZINC (ICP)	≤ 0.10 PPM	< 0.10 PPM
SULFUR COMPOUNDS	≤ 0.005 % (AS S)	< 0.005%
SUBSTANCES DARK BY H2SO4	PASSES TEST	PASS



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.