

Specification Sheet

SIGMA-ALDRICH®

Product Name	Hexane, puriss. p.a., ACS reagent, reag. Ph. Eur., ≥99% (GC)
Product Number	32293
Product Brand	SIGALD
CAS Number	110-54-3
Molecular Weight	86.18

TEST

SPECIFICATION

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

MANGANESE (ICP)	≤ 0.02 ppm
NICKEL (ICP)	≤ 0.02 ppm
LEAD (ICP)	≤ 0.1 ppm
TIN (ICP)	≤ 0.10 ppm
ZINC (ICP)	≤ 0.10 ppm
SULFUR COMPOUNDS	≤ 0.005 % (AS S)
SUBSTANCES DARK BY H₂SO₄	PASSES TEST
RECOMMENDED RETEST PERIOD	42 MONTHS