

Specification Sheet

SIGMA-ALDRICH®

Product Name	Ethyl acetate, puriss. p.a., ACS reagent, reag. ISO, reag. Ph. Eur., ≥99.5% (GC)
Product Number	33211
Product Brand	SIGALD
CAS Number	141-78-6
Molecular Weight	88.11

TEST

APPEARANCE (COLOR)

Colorless

APPEARANCE (FORM)

Liquid

COLOR (IN APHA)

≤ 10 APHA

TITRATABLE ACID

FREE ACID (as CH₃COOH): ≤ 0.0045 %

PURITY (GC AREA %)

≥ 99.5 %

REMARKS ON GC

≤ 0.1 % METHYL ACETATE

≤ 0.1 % ETHANOL

≤ 0.1 % ISOBUTYL ALCOHOL

≤ 0.1 % METHANOL

DENSITY D20/4

0.899 - 0.901

REFRACTIVE INDEX N20/D

1.371 - 1.373

BOILING RANGE (ASTM)

76 - 78 DEG C

WATER (COULOMETR.)

≤ 0.05 %

RESIDUE (EVAPORATION)

≤ 0.001 %

ALUMINIUM (ICP)

≤ 0.50 ppm

BARIUM (ICP)

≤ 0.10 ppm

BISMUTH (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
POTASSIUM (ICP)	≤ 0.5 ppm
LITHIUM (ICP)	≤ 0.10 ppm
MAGNESIUM (ICP)	≤ 0.10 ppm
MANGANESE (ICP)	≤ 0.02 ppm
MOLYBDENUM (ICP)	≤ 0.10 ppm
SODIUM (ICP)	≤ 0.50 ppm
NICKEL (ICP)	≤ 0.02 ppm
LEAD (ICP)	≤ 0.1 ppm
TIN (ICP)	≤ 0.10 ppm
STRONTIUM (ICP)	≤ 0.10 ppm
ZINC (ICP)	≤ 0.10 ppm
SUBSTANCES DARK BY H₂SO₄	PASSES TEST
RECOMMENDED RETEST PERIOD	42 MONTHS