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Product Specification

Product Name:

Ethyl alcohol, Pure - 200 proof, ACS reagent, ≥99.5%

Product Number:

459844

CH₃CH₂OH

CAS Number:

64-17-5

MDL:

MFCD00003568

Formula:

C₂H₆O

Formula Weight:

46.07 g/mol

TEST	Specification
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Appearance (Color)

Colorless

Appearance (Form)

Liquid

Infrared Spectrum

Conforms to Structure

Color Test

≤ 10 APHA

Corrected for Water Content

≥ 99.50 %

GC Purity, % Ethanol by Volume

Methanol Content

≤ 0.1 %

Impurity

≤ 2 ppm

Benzene, by Gas Chromatography

Residue on Evaporation

≤ 0.001 %

Water (by Karl Fischer)

≤ 0.2 %

Solubility

Pass

Substances Darkened (by H₂SO₄)

Pass

Substances reducing MnO₄

Pass

Acetone and Isopropyl Alcohol

Pass

Titratable Acid (meq/g)

≤ 0.0005

Titratable Base (meq/g)

≤ 0.0002

Meets ACS Requirements

Current ACS Specification

Recommended Retest Period

3 Years

Specification: PRD.5.ZQ5.10000004583

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.

