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Product Specification

Product Name:
Ethyl alcohol, Pure - 190 proof, ACS spectrophotometric grade, 95.0%

Product Number: 493511
CAS Number: 64-17-5
MDL: MFCD00003568
Formula: C₂H₆O
Formula Weight: 46.07 g/mol



TEST	Specification
Appearance (Color)	Colorless
Appearance (Form)	Liquid
Infrared Spectrum	Conforms to Structure
Color Test	≤ 10 APHA
UV Absorbance 400nm	≤ 0.01
UV Absorbance 270nm	≤ 0.01
UV Absorbance 240nm	≤ 0.05
UV Absorbance 230nm	≤ 0.15
UV Absorbance 220nm	≤ 0.25
UV Absorbance 210nm	≤ 0.40
Purity (GC)	≥ 95.0 %
% by volume, corrected for H ₂ O	
Methanol Content	≤ 0.1 %
Residue on Evaporation	≤ 0.001 %
Solubility	Pass
Substances Darkened (by H ₂ SO ₄)	Pass
Substances reducing (by MnO ₄)	Pass
Acetone and Isopropyl Alcohol	Pass
Titration Acid (meq/g)	≤ 0.0005
Titration Base (meq/g)	≤ 0.0002
Meets ACS Requirements	Current ACS Specification

Specification: PRD.3.ZQ5.10000015620

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.