

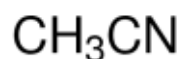
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Product Specification

Product Name:
Acetonitrile - biotech. grade, ≥99.93%

Product Number: 494445
CAS Number: 75-05-8
MDL: MFCD00001878
Formula: C₂H₃N
Formula Weight: 41.05 g/mol



TEST	Specification
Appearance (Color)	Colorless
Appearance (Form)	Liquid
Infrared spectrum	Conforms to Structure
Color Test	≤ 10 APHA
UV Absorbance 400nm	≤ 0.005
UV Absorbance 254nm	≤ 0.005
UV Absorbance 235nm	≤ 0.005
UV Absorbance 220nm	≤ 0.01
UV Absorbance 210nm	≤ 0.03
UV Absorbance 190nm	≤ 1.0
Purity (GC)	≥ 99.930 %
Residue on Evaporation	≤ 0.0002 %
Water (by Karl Fischer)	≤ 0.001 %
Fluorescence 254nm As Quinine	≤ 0.5 ppb
Titrateable Acid (microeq/g)	≤ 8.0
Titrateable Base (microeq/g)	≤ 0.6

Specification: PRD.4.ZQ5.10000004080

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.