

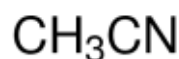
3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product Specification

Product Name:
Acetonitrile - for HPLC, gradient grade, ≥99.9%

Product Number: 34851
CAS Number: 75-05-8
MDL: MFCD00001878
Formula: C₂H₃N
Formula Weight: 41.05 g/mol



TEST	Specification
Appearance (Color)	Colorless
Appearance (Form)	Liquid
UV Absorbance 400nm	≤ 0.0044
UV Absorbance 250nm	≤ 0.0044
UV Absorbance 235nm	≤ 0.0044
UV Absorbance 230nm	≤ 0.0044
UV Absorbance 200nm	≤ 0.032
UV Absorbance 195nm	≤ 0.12
Purity (GC)	≥ 99.90 %
Residue on Evaporation	≤ 0.0005 %
Water (by Karl Fischer)	≤ 0.02 %
Fluorescence 254nm	≤ 1.0 ppb
As Quinine	
Fluorescence 365nm	≤ 0.5 ppb
As Quinine	
HPLC Absorbance 210 nm	≤ 3 mAU
HPLC Absorbance 254 nm	≤ 0.5 mAU
Baseline Drift 210nm	≤ 15 mAU
Alkalinity	≤ 0.0002 %
As NH ₃	
Free Acid (as Acetic Acid)	≤ 0.001 %
Recommended Retest Period	-----
36 Months	

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.



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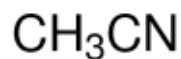
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Specification: PRD.8.ZQ5.10000003951

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