

**Product Name:** Acetonitrile, HPLC Grade (Far UV), 99.8+%  
**Catalog Number:** 042880.K2

**CAS Number:** 75-05-8  
**IUPAC Name:** acetonitrile  
**Molecular Formula:** C<sub>2</sub>H<sub>3</sub>N  
**Molecular Weight:** 41.05  
**InChI Key:** WEVYAHXRMPXWCK-UHFFFAOYSA-N  
**SMILES:** CC#N  
**Synonym:** acetonitrile NCMc MeCN cyanure de methyl acetonitrile, 1-(14)c-labeled usaf EK-488  
 1-(14)c-labeled acetonitrile acetonitrile, 3H-labeled 1-(14)C-labeled acetonitrile  
 3h-labeled acetonitrile

## Product Specification

**Appearance (Color):** Clear colorless  
**Form:** Liquid  
**Comment:** ACS liquid chromatography suitability: conforms (UK)  
**Comment:** Specification differs for U.S. and non-U.S. material where indicated  
**Free acid (titration):** ≤0.001% (10ppm)  
**Residual water:** ≤0.02% (200ppm)  
**Optical Absorbance at:** 190nm: ≤1.00AU (U.S. specification) / ≥18% transmittance (non-U.S. specification)  
**Optical Absorbance at:** 193nm: ≥50% transmittance (non-U.S. specification)  
**Optical Absorbance at:** 195nm: ≤0.15AU (U.S. specification)  
**Optical Absorbance at:** 197nm: ≥80% transmittance (non-U.S. specification)  
**Optical Absorbance at:** 200nm: ≤0.07AU (U.S. specification)  
**Optical Absorbance at:** 205nm: (gradient use test) ≤0.005AU (non-U.S. specification)  
**Optical Absorbance at:** 210nm: ≤0.04AU (U.S. specification)  
**Optical Absorbance at:** 215nm: ≥95% transmittance (non-U.S. specification)  
**Optical Absorbance at:** 220nm: ≤0.02AU (U.S. specification)

|                                |                                                                                                           |
|--------------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Optical Absorbance at:</b>  | 230-400nm: $\geq 99\%$ transmittance (non-U.S. specification)                                             |
| <b>Optical Absorbance at:</b>  | 254nm: $\leq 0.01$ AU (U.S. specification) / (gradient use test) $\leq 0.002$ AU (non-U.S. specification) |
| <b>Residue on Evaporation:</b> | $\leq 0.001\%$ (10ppm)                                                                                    |
| <b>Assay (GC):</b>             | $\geq 99.8\%$                                                                                             |

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**Date Of Print:** 12/06/2025

*Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.*