

## Acetonitrile

Chemical formula: CH<sub>3</sub>CN

Molar mass: 41,05 g/mol

CAS: 75-05-8

EINECS: 200-835-2

### A.G. (10140)

Appearance	clear colourless liquid
Assay	min. 99,5 %
Residue after evaporation	max. 0,001 %
Water	max. 0,1 %
Free acids	max. 0,002 %
Pb (Lead)	max. 0,00001 %
Fe (Iron)	max. 0,00005 %
Density (20 °C)	0,782 g/cm <sup>3</sup>
Refractive index	1,344
Flash point	2 °C

### pure (10120)

Appearance	clear colourless liquid
Assay	min. 98,0%
Density (20 °C)	0,780 g/cm <sup>3</sup>
Refractive index	1,344
Flash point	2 °C

### for HPLC (10160)

Appearance	Clear colourless liquid
Assay	min. 99,95%
Residue after evaporation	max. 0,0005%
Infrared spectrometry	complies
UV absorption at 193 nm	max. 0,222
UV absorption at 195 nm	max. 0,12
UV absorption at 200 nm	max. 0,032
UV absorption at 220 nm	max. 0,009
UV absorption at 230 nm	max. 0,009
UV absorption at 254 nm	max. 0,004
Free acids (as CH <sub>3</sub> COOH)	max. 0,002%
Water	max. 0,02%
Free alkali	max. 0,0002%
Color scale (APHA)	max. 5



Hazard statements: 225, 319, 302, 312, 332

EUH statements:

Precautionary statements: 210, 280, 305+351+338

Signal word: Danger

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ADR/RID: 3 /F1 /II

UN 1648