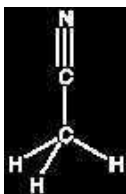


ACETONITRILE



- Synonyms: Methyl cyanide, Cyanomethane
- CH_3CN
- $M = 41,05 \text{ g/mol}$
- CAS [75-05-8]
- EINECS-No.: 200-835-2
- Density: $0,786 \text{ g/cm}^3$
- Solub. in water: (20°C): miscible
- Melting point: $-45,7^\circ\text{C}$
- Boiling point: $81,6^\circ\text{C}$
- Flash pt. 2°C
- Ignition temp.: 524°C
- Vapour pressure: (20°C) 97 hPa
- Refraction index: ($n_{20^\circ\text{C}}$) $1,3442$
- Dielectric const.: (20°C) $37,5$
- LD 50 (oral, rat): $2730 - 3800 \text{ mg/kg}$
- EC-Index-No.: 608-001-00-3
- ADR: 3 F1 II UN 1648
- IMDG: 3 II UN 1648
- IATA/ICAO: 3 II UN 1648
- GHS-signal word: Danger
- GHS-H sentences: H225 - H302 - H312 - H332 - H319
- GHS-P sentences: P210 - P241 - P261 - P303 + P361 + P353 - P305 + P351 + P338 - P501a
- Tariff number: 2926 90 95 90
- Applications: chromatography, synthesis of organic products, solvents.

AC0333 Acetonitrile, Multisolvant® HPLC grade ACS UV-VIS, Reag. Ph Eur



assay (G.C.) min. 99,9 %
 identity (IR-spectrum) passes test
 density ($20^\circ/4^\circ$) 0,779 - 0,783
 colour (Hazen) max. 10
 appearance clear
 acidity max. 0,0002 meq/g
 alkalinity max. 0,0001 meq/g
 cyanides (CN) max. 0,005 %
 aluminium (Al) max. 0,1 ppm
 barium (Ba) max 0,01 ppm
 boron (B) max. 0,02 ppm
 cadmium (Cd) max 0,01 ppm
 calcium (Ca) max. 0,3 ppm
 chromium (Cr) max. 0,02 ppm
 cobalt (Co) max. 0,02 ppm
 copper (Cu) max. 0,02 ppm
 iron (Fe) max. 0,02 ppm

lead (Pb) max. 0,1 ppm
 magnesium (Mg) max. 0,1 ppm
 manganese (Mn) max 0,01 ppm
 nickel (Ni) max. 0,02 ppm
 tin (Sn) max. 0,1 ppm
 zinc (Zn) max 0,01 ppm
 residue on evaporation max. 0,0002 %
 water (K.F.) max. 0,03 %
 liquid chromatography suitability
 absorbance passes test
 min. transmission/max. absorbance in a 1,0 cm cell at
 wavelength T(%) A (AU)
 195 nm 70 % 0,155 AU
 200 nm 90 % 0,046 AU
 230 nm 98 % 0,009 AU
 Microfiltered through membranes of pore diameter
 0,22 μm

ART. NO.	VOLUME	CONTAINER
AC03331000	1 l	
AC03332500	2,5 l	
AC03334000	4 l	
AC0333007E	7 l	
AC0333020S	20 l	
AC0333025S	25 l	
AC0333185E	185 l	

AC0378 Acetonitrile, HPLC gradient grade



assay (G.C.) min. 99,9 %
 identity (IR-spectrum) passes test
 density ($20^\circ/4^\circ$) 0,779 - 0,783
 acidity max. 0,0002 meq/g
 alkalinity max. 0,0001 meq/g
 residue on evaporation max. 0,0005 %
 water (K.F.) max. 0,02 %
 gradient grade (210 nm)
 maximum peak absorbance: 0,003 AU
 maximum background absorbance: 0,015 AU
 gradient grade (254 nm)

maximum peak absorbance: 0,0005 AU
 min. transmission/max. absorbance in a 1,0 cm cell at
 wavelength T(%) A (AU)
 195 nm 76 % 0,12 AU
 200 nm 93 % 0,03 AU
 230 nm 99 % 0,004 AU
 235 nm 99 % 0,004 AU
 250 nm 99 % 0,004 AU
 Microfiltered through membranes of pore diameter
 0,22 μm

ART. NO.	VOLUME	CONTAINER
AC03782500	2,5 l	
AC03784000	4 l	

AC0329 Acetonitrile, gradient 240nm/ far UV HPLC grade



assay (G.C.) min. 99,9 %
 identity (IR-spectrum) passes test
 density ($20^\circ/4^\circ$) 0,779 - 0,783
 acidity max. 0,0002 meq/g
 alkalinity max. 0,0001 meq/g
 residue on evaporation max. 0,0002 %
 water (K.F.) max. 0,02 %
 gradient grade (240 nm)
 maximum background absorbance: 0,01 AU
 maximum peak absorbance: 0,0015 AU min.

transmission/max. absorbance in a 1,0 cm cell at
 wavelength T(%) A (AU)
 200 nm 90 % 0,046 AU
 205 nm 92 % 0,036 AU
 210 nm 95 % 0,022 AU
 220 nm 98 % 0,009 AU
 Microfiltered through membranes of pore diameter
 0,22 μm

ART. NO.	VOLUME	CONTAINER
AC03291000	1 l	
AC03292500	2,5 l	
AC03294000	4 l	
AC0329007E	7 l	
AC0329025S	25 l	
AC0329030S	30 l	
AC0329100S	100 l	
AC0329185E	185 l	