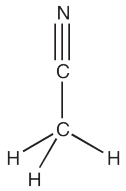
Scharlau
The wise choice

ACETONITRILE



- Synonyms: Methyl cyanide, Cyanomethane
- CH_3CN
- M = 41,05 g/mol
- CAS [75-05-8]
- EINECS-No.: 200-835-2
- Density: 0,786 g/cm³
- Solub. in water: (20 °C): miscible
- Melting point: -45,7 °C
- Boiling point: 81,6 °C
- Flash pt. 2 °C
- Ignition temp.: 524 °C
- Vapour pressure: (20 °C) 97 hPa
- Refraction index: (n 20 °C) 1,3442
- Dielectric const.: (20 °C) 37,5
- LD 50 (oral, rat): 2730 - 3800 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, Multisolvent® HPLC grade ACS UV-VIS, Reag. Ph Eur

assay (G.C.)	min. 99,9 %
identity (IR-spectrum)	passes test
density (20°/4°)	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°/4°)	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°/4°)	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	