



TECHNICAL DATA SHEET

ACETONITRILE HPLC GRADIENT

Methyl Cyanide

Article No.	200122500	Molecular Formula	CH ₃ CN
H.S. Code	2926.9095	Molecular Weight	41.05
CAS No.	75-05-8		

Physical Properties


Physical state at 20 °C	Liquid
Colour	Clear Colorless
Odour	Ether odor
pH value	7
Melting point [°C]	-46°C
Auto-ignition temperature [°C]	524°C
Flammability (solid, gas)	Flammable
Flash point [°C]	2°C
Boiling point [°C]	81.6°C
Evaporation rate	5.79
Vapour pressure [20°C]	9.7kPa
Vapour pressure mm/Hg	73
Vapour density	1.4
Density [g/cm ³]	0.79
Relative density, gas (air=1)	1.4
Solubility in water [% weight]	Complete

Specifications

Assay (by GC) Min 99.9 %
Water (by KF) Max 0.02 %
Non-volatile matter Max.0.0005 %
Free acid (asCH₃COOH) Max.0.001 %
Free alkali (asNH₃) Max.0.0002 %
Absorbance at :
at 400nm Max 0.0044
at 250nm Max 0.0044
at 235nm Max 0.0044

at 230nm Max 0.0044
at 200nm Max 0.032
at 195nm Max 0.12
HPLC Gradient at 210nm Max 3 m AU
HPLC Gradient at 254nm Max 0.5 m AU
Baselinedrift at 210nm Max 15 m AU
Filtration (0.2 um) Passes test

Safety Information and Hazard Symbols

	
Symbol	GHS02, GHS07
Signal Word	Danger
UN No	1648
IMCO Class No.	3
Hazardous Statement	H225-H302-H312-H319-H332
Precaution Statement	P210-P261-P302+P352-P304+P340-P305+P351+P338-P370+P378-P403+P235-P501
Packing Group	II