

TIQ-F-QC-003
 Rev.00

Technical Data Sheet

ACETONITRILLE 99,9 % for HPLC & UV SPECTROSCOPY

Methyl Cyanide; Cyanomethane; Ethanenitrile; Ethyl nitrile



Product Code	B-3006	Grade	HPLC & UV Spectroscopy
Purity	99,9%	CAS No	75-05-8
Molecular Formula	CH ₃ CN	Molecular Weight	41.05 g/mol
H.S.Code	2915.2100	Shelf Life	60 Months

Physical Properties

Physical state at 20 °C	Liquid	Colour	Clear Colourless
Odour	Ether odor	Melting Point/ Freezing point (°C)	-48°C
Flammability (solid, gas)	Flammable	Flash point	2 °C
Boiling point	81 - 82 °C	Vapour pressure (20 °C)	98.64 hPa
Vapour density	1.42	Density (g/cm ³)	0.786
Solubility in water (% weight)	Complete	Relative density, gas (air=1)	1.4
pH value	7	Evaporation rate	5.8
Auto ignition temperature (°C)	524°C	Explosion limit lower	3 % (v)
Explosion limit upper	16 % (V)	Partition coefficient: noctanol/water	log Pow: -0.54 at 25 °C

Packaging

2500 ml

Specification

Appearance	Clear colorless liquid
Assay (GC)	min 99.9 %
Colour	max 10 Hazen
Wt.per ml at 20 °C	0.782 – 0.783 g/cm ³
Residu on evaporation	max 0.0005 %
Water (H ₂ O)	max 0.05 %
Acidity (CH ₃ COOH)	max 0.0005 meq/g

Alkalinity	max 0.0005 meq/g
UV Transmittance at λ :	
240 nm	min 98 %
200 nm	min 90 %
195 nm	min 70 %

Safety Information and Hazard Symbols



Symbol: GHS02, GHS07

Signal Word: Danger

UN No.: 1648

IMCO Class No.: 3

Packing Group: II

Hazardous Statement: H225-H302-H312-H319-H332

Precaution Statement: P210-P280- P305+P351+P338