



SPECIFICATION SHEET

Product Name	:	Acetonitrile, Gradient grade for liquid chromatography
Product Number	:	901.037
Brand	:	ISOLAB
CAS Number	:	75-05-8
Formula	:	C ₂ H ₃ N
Formula Weight	:	41.05 g/mol

TEST NAME	SPECIFICATION	UNIT
Assay (GC)	≥ 99.9 %	%
Residue on evaporation	≤ 0.0003 %	%
Water	≤ 0.02 %	%
Refractive index (n 20/D)	1.343 - 1.345	
Acidity (as CH ₃ COOH)	≤ 0.002 %	%
Alkalinity (as NH ₃)	≤ 0.0002 %	%
Gradient Highest peak at 210 nm	≤ 2.0 mAU	mAU
Gradient Highest peak at 254 nm	≤ 0.5 mAU	mAU
UV Transmission (at 193 nm)	≥ 60 %	%
UV Transmission (at 195 nm)	≥ 80 %	%
UV Transmission (at 200 nm)	≥ 95 %	%
UV Transmission (at 220 nm)	≥ 98 %	%
UV Transmission (at 230 nm)	≥ 98 %	%
UV Transmission (at 254 nm)	≥ 99 %	%
Solubility	50% solution in water	
Filtered through 0.2 µm membrane filter. Packed under inert gas.		

Quality Management
Isolab Laborgerate GmbH

