



# Product Specification

Product : Acetonitrile  
Catalog# : LC9855  
CAS : 75-05-8  
Formula : CH<sub>3</sub>CN  
MW : 41.05  
Grade : HPLC-Gradient

TEST	SPECIFICATION
Description	A clear, Colorless liquid.
Color Test	≤ 10 APHA
Assay (GC)	≥ 99.9%
Weight per mL @ 20°C	0.780 – 0.783g
<b>Gradient Elution test</b>	
@ 210 nm	≤ 5 mAU
@ 254 nm	≤ 0.5 mAU
Baseline drift @210 nm	≤ 15 mAU
<b>Maximum Limits of Impurities</b>	
Non-volatile matter	≤ 0.0005%
Acidity (as CH <sub>3</sub> COOH)	≤ 0.001%
Alkalinity (as NH <sub>3</sub> )	≤ 0.0002%
Water	≤ 0.03%
Solubility / Miscibility	To passes the test
Residue on evaporation	≤ 0.0005%
<b>UV absorbance</b>	
@ 195 nm	≤ 0.12
@ 200 nm	≤ 0.032
@ 210 nm	≤ 0.02
@ 220 nm	≤ 0.02
@ 230 nm	≤ 0.0044
@ 235 nm	≤ 0.0044
@ 250 nm	≤ 0.0044
@ 400 nm	≤ 0.0044

- For laboratory use only.
- The contents of Product specifications are subject to change.
- Storage: For information refer respective product safety data sheet (SDS).

