



# ACETONITRILE 99.9% FOR HPLC GRADIENT PREMIUM GRADE

**CAT. NO.** : GP0005  
**GRADE** : GP  
**CAS NO.** : 75-05-8  
**FORMULA** : CH<sub>3</sub>CN  
**M.W.** : 41.05



Minimum assay (G.C.)	99.9%
Identity	IR passes test
Wt. per ml at 20° C	0.780-0.783g
Refractive index <sub>n<sup>20</sup><sub>D</sub></sub>	1.3441
Boiling range	81-83° C

### Maximum limits of impurities:

Acidity	0.0005 meq/g
Alkalinity	0.0001 meq/g
Non-volatile matter	0.0001%
Base line drift (210 nm)	10 mUA
Water (H <sub>2</sub> O)	0.02%
Gradient at:	
210 nm	< 1 mUA
254 nm	< 0.5 mUA
Fluorescence (as quinine):	
254 nm	< 1 ppb
365 nm	< 0.5 ppb

DATE: 01.07.2025

**Remarks:** The above-mentioned batch material is compliance with the standard specifications of High Purity Laboratory Chemicals Pvt. Ltd.





## Product Specification

UV Spectrum (1 cm cell; Ref.: water)

Absorbance at:

190 nm (cut off)	< 0.5
193 nm	< 0.2
195 nm	< 0.1
200 nm	< 0.05
230-400 nm	< 0.01

Transmission at:

190 nm (cut off)	41%
193 nm	76%
195 nm	88%
200 nm	96%
230-400 nm	100%

Filtered through 0.2 µm membrane.

ISO 9001:2015 CERTIFIED



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