

# SPECIFICATION SHEET



## PRODUCT DETAILS

### Acetonitrile HPLC Gradient

CAS No.	75-05-8
Molecular Formula	CH3CN
Molecular Weight (g/mol)	41.05
Product Code (2.5 lit)	910003L2D5
Specification no	910003/R1/08
Effective date	19-01-2026
Review date	18-01-2031

## TEST

## SPECIFICATION

Description	A clear, colourless liquid
Miscibility	Miscible with water forming clear and colourless solutions.
Assay (GC)	Min. 99.8%
Weight per ml at 20 °C	0.782-0.783 g
Residue after evaporation	max 0.0005%
Titration acid	max 0.0002 meq/g
Titration base	max 0.0002 meq/g
Water (by KF)	max 0.03%
UV Transmittance (1 cm cell vs water)	
Wavelength	Transmittance
195 nm	min 75 %
200 nm	min 95 %
210 nm	min 96%
220 nm	min 97%
230 nm	min 98%
240 nm	min 99%
Gradient elution test	
210 nm	max 5 mAU
254 nm	max 1 mAU

(Filtered through 0.2 micron and packed under dry nitrogen)

RYZE CHEMIE  
Unit No. 13, 2nd Floor, Tower-C,  
Plot No. C-39 A,  
Gami Industrial Park,  
Pawane MIDC, Navi Mumbai,  
Maharashtra-400705, INDIA

RYZE CHEMIE

www.ryzechemie.com  
+91- 99-3006-02-02