

**GMP & ISO 9001 Quality System Certified Organization
MANUFACTURER & EXPORTER OF LABORATORY CHEMICALS AND OILS****Address : H.No.712/3, sainagar, Palghar mumbai 401102**✉ sales@ultrapurelab.com / info@ultrapurelab.com☎ / 📞 [+91 7058322540](tel:+917058322540) / [+91 7378378726](tel:+917378378726)🌐 www.ultrapurelab.com**CERTIFICATE OF ANALYSIS****Name of Item:** ACETONITRILE HPLC Gradient 99.9% **Formula:** CH₃CN**M.W.:** 41.05**Batch No.:****CAS NO.:** 75-05-8**Cat. No.:** UP0047**Date of Mfg.:****Date of Analysis:**

Type of Test	Standard	Observed
Description	Clear, colourless liquid	Clear, colourless liquid
Identity (IR)	Passes test	Passes test
Assay (GC)	Min. 99.9%	99.95%
Density (d ₂₀ ⁴)	0.782 – 0.783	0.7823
Acidity	<0.0002meq/g	0.00005 meq/g
Alkalinity	<0.0002meq/g	NIL
Water	<0.03%	0.005%
Non volatile substances	<0.0005%	0.0004%
UV Transmittance at 195 nm	NLT 75%	76%
UV Transmittance at 200nm	NLT 95%	96.78%
UV Transmittance at 210nm	NLT 96%	98.30%
UV Transmittance at 220nm	NLT 97%	98.80%
UV Transmittance at 230nm	NLT 98%	99.78%
UV Transmittance at 240nm	NLT 99%	99.90%
Gradient elution test at 210 nm	NMT 10 mAU	9 mAU
Gradient elution test at 254 nm	NMT 5 mAU	4 mAU
Dilution test (1:1, 1:2 water)	The solution is clear and colourless	The solution is clear and colourless

Results : The above product complies with HPLC Gradient grade