

CERTIFICATE OF ANALYSIS

PRODUCT NAME : METHANOL GRADIENT GRADE FOR HPLC

CAS No : 67-56-1
Mol. Formula : CH₃OH
Mol. WT : 32.04
Date of analysis : 26/08/21

Product code : 41060
Batch No : MCM-4286
Mfd. : Aug. 2021
Exp. : July 2026

S. R	Test	Specification	Observation
1	Description	Clear colourless liquid	Clear colourless liquid
2	Assay (GC)	99.9 % min	99.96%
3	Wt. per ml at 20°C	0.791 – 0.792g	0.791g
4	Insoluble matter in H₂O	Passes test	Passes test
5	Non Volatile Matter	0.0005% max	0.0004%
6	Acidity (as CH₃COOH)	0.0003 meq/g max	< 0.0003 meq/g
7	Alkalinity	0.0002 meq/g max	Nil
8	Water(by KF)	0.05% max	0.04 %
9	Reducing substances to KmnO₄	Passes test	Passes test
10	Darkened substances by H₂SO₄	Passes test	Passes test
11	Carbonyl compounds(as CH₃COCH₃)	0.001% max	< 0.001%
12	Transmission (1cm cell Vs water)	210nm – 30%min 220nm – 60%min 230nm – 75%min 240nm – 85%min 250nm – 95%min 260nm – 98%min	210nm – 36.1% 220nm – 63.4% 230nm – 80.2% 240nm – 91.1% 250nm – 96.1% 260nm – 98.1%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

HEAD-QUALITY ASSUARANCE
(G.G.Salian)

Note: Computer generated image requires no sign.