



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 : 29/11/21

Product code : 41060
Batch No : MCM-3812-01
Mfd. : Nov. 2021
Exp. : Oct. 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	0.792g
4	Insoluble matter in H ₂ O	Passes test	Passes test
5	Non Volatile Matter	0.0005% max	0.0004%
6	Acidity (as CH ₃ COOH)	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 KmnO ₄	Passes test	Passes test
10	Darkened substances by H ₂ SO ₄	Passes test	Passes test
11	Carbonyl compounds(as CH ₃ COCH ₃)	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 – 39.6% 220nm – 65.0% 230nm – 83.4% 240nm – 93.1% 250nm – 97.2% 260nm – 98.8%

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.