

CERTIFICATE OF ANALYSIS

PRODUCT NAME : ACETONE BENZENE FREE

CAS No	: 67-64-1	Product code	: 21041
Mol. Formula	: (CH ₃) ₂ CO	Batch No	: MCM-6016
Mol. WT	: 58.08	Mfd.	: Jan. 2024
Date of analysis	: 09/01/24	Exp.	: Dec. 2028

S. R	Test	Specification	Observation
1	Description	A clear, colourless, volatile liquid, with a characteristic odour.	A clear, colourless, volatile liquid, with a characteristic odour.
2	Identification	Complies	Complies
3	Miscibility	Complies	Complies
4	Acidity (By Titrimetry)	NMT 0.20 ml of 0.1 M Sodium hydroxide is required.	0.15 ml of 0.1 M sodium hydroxide.
5	Alkalinity (By Titrimetry)	The colour of the methyl red solution should not change.	Nil
6	Water (By Karl Fischer)	NMT 0.50 % w/v	0.12% w/v
7	Substances reducing permanganate	The mixture is not completely decolourised on addition of 0.1 M Potassium permanganate	Complies
8	Assay(By GC)	NLT 99.0%	99.87%
9	Total impurities(By GC)	NMT 1.0 %	0.01%
10	Benzene content(By GC)	NMT 2.0 ppm	Nil

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

**CHEMIST
(Asmita)**

**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

Note: Computer generated image requires no sign.

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