

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : ACETONE BENZENE FREE**

<b>CAS No</b>	: 67-64-1	<b>Product code</b>	: 21041
<b>Mol. Formula</b>	: (CH <sub>3</sub> ) <sub>2</sub> CO	<b>Batch No</b>	: MCM-6015
<b>Mol. WT</b>	: 58.08	<b>Mfd.</b>	: Jan. 2024
<b>Date of analysis</b>	: 09/01/24	<b>Exp.</b>	: Dec. 2028

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