



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : GLYCEROL AR**

**CAS No : 56-81-5**  
**Mol. Formula : C<sub>3</sub>H<sub>8</sub>O<sub>3</sub>**  
**Mol. wt : 92.09**  
**Date of analysis : 10/05/24**

**Product code : 23420**  
**Batch No. : MCAR- 00119**  
**Mfd. : May 2024**  
**Exp. : April 2029**

S.R	Test	Specification	Observation
1	<b>Description</b>	Clear colourless viscous liquid, Colour not more than 20 Hazen units.	Clear colourless viscous liquid, Colour less than 20 Hazen unit.
2	<b>Assay (GC)</b>	99 % min	99.86%
3	<b>Wt. per ml (at 20<sup>0</sup>c)</b>	1.257-1.261g	1.258g
4	<b>Refractive index</b>	1.471 – 1.473	1.472
5	<b>Reaction pH</b>	6.0 -7.0	6.23
6	<b>Sulphated ash</b>	0.005% max	0.003%
7	<b>Chloride (Cl)</b>	0.0001% max	< 0.0001%
8	<b>Sulphate (SO<sub>4</sub>)</b>	0.0005% max	< 0.0005%
9	<b>Ammonium (NH<sub>4</sub>)</b>	0.0005% max	< 0.0005%
10	<b>Arsenic (As)</b>	0.00004% max	< 0.00004%
11	<b>Copper (Cu)</b>	0.00005% max	< 0.00005%
12	<b>Iron (Fe)</b>	0.00005% max	< 0.00005%
13	<b>Lead (Pb)</b>	0.00005% max	< 0.00005%
14	<b>Ester of volatile acids (glycerol tributyrates)</b>	Passes Test	Passes Test
15	<b>Fatty acids</b>	Passes Test	Passes Test
16	<b>Organic impurities</b>	Passes Test	Passes Test
17	<b>Reducing substances</b>	No reaction	No reaction
19	<b>Sugar (glucose)</b>	0.004% max	< 0.004%

**REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS**

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Ruchi)**

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

Note: Computer generated image requires no sign

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