

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : SUCROSE AR**

**CAS No : 57-50-1**  
**Mol. Formula : C<sub>12</sub>H<sub>22</sub>O<sub>11</sub>**  
**Mol. WT : 342.30**  
**Date of Analysis : 09/05/25**

**Product code : 26300**  
**Batch No : MCAR-01572**  
**Mfd. : May 2025**  
**Exp. : April 2030**

S.R	Test	Specification	Observation
1	<b>Description</b>	Colorless crystals or almost white or white crystalline powder	White crystalline powder
2	<b>Specific rotation</b> [α] <sup>20</sup> <sub>D</sub> (10.0% w/v aqueous solution)	+66.4° to +66.6°	+66.49 <sup>0</sup>
3	<b>Insoluble matter</b>	0.003% max	0.001%
4	<b>Loss on drying at 100°C</b>	0.05% max	0.04%
5	<b>Sulphated ash</b>	0.005%max	0.003%
6	<b>Chloride (Cl)</b>	0.0005% max	<0.005%
7	<b>Nitrogen compounds (N)</b>	0.002% max	<0.002%
8	<b>Sulphate (SO<sub>4</sub>)</b>	0.002% max	<0.002%
9	<b>Copper (Cu)</b>	0.0001% max	<0.0001%
10	<b>Iron (Fe)</b>	0.0001% max	<0.0001%
11	<b>Lead (Pb)</b>	0.0001% max	<0.0001%
12	<b>Reducing sugars</b> (C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> )	0.01% max	0.008%

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

**[Tested By]**



**CHEMIST**  
**(Pratiksha. S)**



**[QC Incharge]**



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

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