

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : CALCIUM NITRATE AR**

CAS No	: 13477-34-4	Product code	: 22490
Mol. Formula	: Ca(NO <sub>3</sub> ) <sub>2</sub> .4H <sub>2</sub> O	Batch No	: MCAR-01628
Mol. WT	: 236.15	Mfd.	: May 2025
Date of analysis	: 20/05/25	Exp.	: April 2030

S.R	Test	Specification	Observation
1	<b>Description</b>	Colourless deliquescent crystals or white deliquescent crystalline powder.	Colourless deliquescent crystals.
2	<b>Assay</b>	99.0 % min	99.12%
3	<b>pH (5% aq.solution)</b>	5 – 7.5	6.10
4	<b>Insoluble matter</b>	0.003%	0.001%
5	<b>Chloride(Cl)</b>	0.002%max	<0.002%
6	<b>Phosphate (PO<sub>4</sub>)</b>	0.001% max	< 0.001%
7	<b>Sulphate (SO<sub>4</sub>)</b>	0.005%max	< 0.005 %
8	<b>Barium (Ba)</b>	0.005%max	< 0.005%
9	<b>Copper (Cu)</b>	0.0005%max	< 0.0005%
10	<b>Iron (Fe)</b>	0.0005%max	< 0.001%
11	<b>Lead (Pb)</b>	0.001% max	< 0.001%
12	<b>Magnesium (Mg)</b>	0.015% max	< 0.015%
13	<b>Potassium (K)</b>	0.005%max	< 0.005%
14	<b>Sodium (Na)</b>	0.02% max	< 0.02%
15	<b>Strontium (Sr)</b>	0.01% max	< 0.01%

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

**[Tested By]**



**CHEMIST  
(Shruti)**



**[QC Incharge]**



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

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