

CERTIFICATE OF ANALYSIS

PRODUCT NAME : CALCIUM NITRATE AR

CAS No	: 13477-34-4	Product code	: 22490
Mol. Formula	: Ca(NO ₃) ₂ .4H ₂ O	Batch No	: MCAR-01104
Mol. WT	: 236.15	Mfd.	: Jan. 2025
Date of analysis	: 15/01/25	Exp.	: Dec. 2029

S.R	Test	Specification	Observation
1	Description	Colourless deliquescent crystals or white deliquescent crystalline powder.	White deliquescent crystalline powder.
2	Assay	99.0 % min	99.89%
3	pH (5% aq.solution)	5 – 7.5	6.64
4	Insoluble matter	0.003%	0.001%
5	Chloride(Cl)	0.002%max	<0.002%
6	Phosphate (PO₄)	0.001% max	< 0.001%
7	Sulphate (SO₄)	0.005%max	< 0.005 %
8	Barium (Ba)	0.005%max	< 0.005%
9	Copper (Cu)	0.0005%max	< 0.0005%
10	Iron (Fe)	0.0005%max	< 0.001%
11	Lead (Pb)	0.001% max	< 0.001%
12	Magnesium (Mg)	0.015% max	< 0.015%
13	Potassium (K)	0.005%max	< 0.005%
14	Sodium (Na)	0.02% max	< 0.02%
15	Strontium (Sr)	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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