



CERTIFICATE OF ANALYSIS

PRODUCT NAME : CALCIUM NITRATE AR

CAS No : 13477-34-4 Product code : 22490
Mol. Formula : Ca(NO₃)₂.4H₂O Batch No : MCAR-00275
Mol. WT : 236.15 Mfd. : June 2024
Date of analysis : 17/06/24 Exp. : May 2029

S.R	Test	Specification	Observation
1	Description	Colourless deliquescent crystals or white deliquescent crystalline powder.	Colourless deliquescent crystals.
2	Assay	99.0 % min	99.26%
3	pH (5% aq.solution)	5 – 7.5	6.87
4	Insoluble matter	0.003%	0.001%
5	Chloride(Cl)	0.002%max	<0.002%
6	Phosphate (PO ₄)	0.001% max	< 0.001%
7	Sulphate (SO ₄)	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
(Jyoti)

[QC Incharge]

HEAD-QUALITY ASSURANCE
(G.G.Salian)

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