



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : CALCIUM NITRATE AR**

**CAS No : 13477-34-4**  
**Mol. Formula : Ca(NO<sub>3</sub>)<sub>2</sub>.4H<sub>2</sub>O**  
**Mol. WT : 236.15**  
**Date of analysis : 01/02/22**

**Product code : 22490**  
**Batch No : MCRT-20740-01**  
**Mfd. : Feb. 2022**  
**Exp. : Jan. 2027**

S. R	Test	Specification	Observation
1	Description	Colourless deliquescent crystals or crystalline powder.	Colourless deliquescent crystals.
2	Assay	99.0 % min	99.52%
3	pH (5% aq.solution)	4.0 – 6.0	5.47
4	Insoluble matter	0.003%	0.001%
5	Chloride(Cl)	0.002%max	<0.002%
6	Phosphate (PO <sub>4</sub> )	0.001% max	< 0.001%
7	Sulphate (SO <sub>4</sub> )	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]**

**[QC Incharge]**

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

**Note:** Computer generated image requires no sign.

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