



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-00171
Mol. WT : 236.15 **Mfd.** : May 2024
Date of analysis : 16/05/24 **Exp.** : April 2029

| S.R | Test | Specification | Observation |
|-----|-----------------------------------|--|-------------------------------|
| 1 | Description | Colourless deliquescent crystals or white deliquescent crystalline powder. | Colourless crystalline powder |
| 2 | Assay | 99.0 % min | 99.42% |
| 3 | pH (5% aq.solution) | 5 – 7.5 | 6.05 |
| 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
(Durvas)**

[QC Incharge]

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

MOLYCHEM H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: info@molychem.net • Web: www.molychem.net

Reg. Office : 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai - 400 002 (INDIA)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kurgaon, Badlapur (E), Dist.-Thane-421 503.



Note: Computer generated image requires no sign.

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