

## Certificate of Analysis

Date of Testing: 2024-12-18 10:19:58

Date of Next Testing: 2028-12-17 10:19:58

Product Name: **Calcium nitrate tetrahydrate**

CAS Number: 13477-34-4

Specifications & Purity: ACS

Lot #: L2411787

SKU #: **C100074**

Version: **0**

Analysis #: **439154**

Storage Temperature: Desiccated

| Parameter                      | Limit Values                                   | Result                                         |
|--------------------------------|------------------------------------------------|------------------------------------------------|
| Sodium(Na)                     | 0-0.01 (%)                                     | 0.00 %                                         |
| Insoluble matter: (10% in H2O) | 0-0.005 (%)                                    | 0.00 %                                         |
| Iron(Fe)                       | 0-5 (ppm)                                      | 0.00 ppm                                       |
| Chloride Content               | 0-0.005 (%)                                    | 0.00 %                                         |
| Strontium(Sr)                  | 0-0.05 (%)                                     | 0.00 %                                         |
| Heavy metal (as Pb)            | 0-5 (ppm)                                      | 0.00 ppm                                       |
| Purity Titration by EDTA       | 99-103 (%)                                     | 100.95 %                                       |
| Magnesium(Mg)                  | 0-0.05 (%)                                     | 0.00 %                                         |
| Potassium(K)                   | 0-0.005 (%)                                    | 0.00 %                                         |
| PH(5% in water,25°C)           | 5-7                                            | 5.99                                           |
| Barium(Ba)                     | 0-0.005 (%)                                    | 0.00 %                                         |
| (NO2)Nitrate                   | 0-0.001 (%)                                    | 0.00 %                                         |
| Sulfate(SO42-)                 | 0-0.002 (%)                                    | 0.00 %                                         |
| Appearance (C100074)           | White Powder or Crystals or Granules or Chunks | White Powder or Crystals or Granules or Chunks |
| X-Ray Diffraction              | Conforms to Structure                          | Conforms to Structure                          |



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager