

## Certificate of Analysis

Date of Testing: 2023-10-09 09:23:55  
Date of Next Testing: 2027-10-08 09:23:55  
Product Name: **Calcium nitrate tetrahydrate**  
CAS Number: 13477-34-4  
Specifications & Purity: Analytical Reagent,99%  
Lot #: I2328226  
SKU #: **C100072**  
**Analysis:** **283068**  
Storage Temperature: Desiccated

| Parameter                               | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| PH                                      | 4-6                   | 5.50                  |
| Ammonia (NH <sub>4</sub> )              | 0-0.005 (%)           | 0.00 %                |
| Insoluble matter in H <sub>2</sub> O    | 0-0.003 (%)           | 0.00 %                |
| Heavy metal (as Pb)                     | 0-0.0005 (%)          | 0.00 %                |
| Phosphate(PO <sub>4</sub> )             | 0-0.005 (%)           | 0.00 %                |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> ) | 0-0.1 (%)             | 0.00 %                |
| Alkali metals and magnesium(as MgO)     | 0-0.2 (%)             | 0.00 %                |
| Iron(Fe)                                | 0-0.0002 (ppm)        | 0.00 ppm              |
| Barium(Ba)                              | 0-0.005 (%)           | 0.00 %                |
| Chloride (Cl <sup>-</sup> )             | 0-0.003 (%)           | 0.00 %                |
| Assay(Complexometric EDTA)              | 99-102.5 (%)          | 100.00 %              |
| X-Ray Diffraction                       | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager