

Nitro Cal - FULLY SOLUBLE (15.5 / 0 / 0 + 26 CaO)

Technical Data Sheet

General Description

Nitro Cal - FULLY SOLUBLE is a high purity crystal with (15.5 / 0 / 0 + 26 % CaO).

It has the following features :

- Solid fertilizer, Balanced compound fertilizers, fully soluble in water.
- Shelf life five years from production date .
- Free from Radiation .

Applications:

- Fully soluble in water minimum 1000 g/L.
- Suitable to use in all irrigation systems and as foliar spray.
- Uses to prevent vegetables and fruit crops such as apple and pears from Ca-deficiency symptoms.
- Helps in enhancing fruits firmness and their storage and marketing ability.
- Reduces percentage of fruits cracking.

Safety and Handling:

Nitro Cal should be stored at temperature between 5 and 30°C in enclosed building capable of protecting the product from direct sunlight and moisture which can cause lumps.

Store and use away from heat, sparks, open flame or any other ignition source.

Avoid contact with combustible materials.

Manufacture Site:

Name of the Manufacture: EVERGROW FOR SPECIALITY FERTILIZERS.

Address of the Manufacture: Industrial Zone - Abu Rawash - Giza - Egypt.

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Issue No. : 3

Eg-OP-20-09

Page 1 of 2

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Product Specification

| General | |
|------------------|-------------------------|
| Chemical Formula | Calcium Nitrate Crystal |
| Appearance | White |
| Internal Code | Nitro Cal |

| Chemical and Physical Analysis | | | | |
|---|------|-----------|-------------|--------------|
| Item | Unit | Specs | Test Method | Ref |
| Nitrogen (NH ₄ +NO ₃) | % | Min 15.50 | Kjeldahl | AOAC 892.01 |
| N-NH ₄ | % | Min. 1.25 | Kjeldahl | AOAC 920.03 |
| N-NO ₃ | % | Max 14.25 | Kjeldahl | Calculated |
| Calcium as CaO | % | Min 25.50 | Volumetric | E.S 144/2018 |
| pH (10 g/ L H ₂ O) | -- | Min 5.00 | pH meter | Internal |
| Solubility in H ₂ O at 25 °C | g/L | Min 1000 | Solubility | Internal |
| Moisture Content | % | Max 1 | Oven | AOAC950.01 |
| Insoluble Matter | % | Max 0.10 | Gravimetric | Internal |

| Screen Analysis | | | | | |
|-----------------|----------|------|--------|--------------------|------------|
| Item | | Unit | Specs | Test Method | Ref. |
| Particle Size | > 0.5 mm | % | Min 85 | dry Sieve analysis | IFDC S-107 |
| | < 0.5 mm | % | Max 15 | | |

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Page 2 of 2