

CEON CHEMICAL COMPANY

TECHNICAL DATA SHEET (TDS)

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1. Product Description

Liquid calcium nitrate fertiliser

2. Guaranteed Analysis and Analytical Methods

Parameter	Specification	Analysis Method
Total Nitrogen (N)	8% w/v	Validated nitrogen determination (Kjeldahl / distillation / spectrophotometric, as applicable)
Nitrate Nitrogen (NO ₃ -N)	8% w/v	Validated nitrogen determination (Kjeldahl / distillation / spectrophotometric, as applicable)
Water-soluble Calcium Oxide (CaO)	15% w/v	ICP-OES after appropriate extraction
Plant-Derived Bio-Activator	3% w/v	Validated in-house HPLC/spectrophotometric marker method
Plant-Derived Free Amino Acid	5% w/v	HPLC-UV/FLD after validated derivatisation
Titanium (Ti)	0.05% w/v	ICP-OES after appropriate acid digestion/extraction

3. Key Benefits

Supports correction of calcium deficiency, stronger cell walls, reduced fruit cracking and improved shelf life, fruit quality and internal appearance.

4. Recommended Use Areas

Greenhouse and open-field vegetables, strawberry, ornamentals, vineyards, maize, sunflower, cereals, forage crops, fruit trees, nut crops and cotton.

5. Application Rate

Soil: generally 10-25 L/ha. Foliar: generally 100-300 cc per 100 L water, depending on crop.

6. Packaging

1 L, 5 L, 10 L, 20 L

7. Mixability and Storage

Conduct a small-container compatibility test before tank mixing. Do not exceed recommended rates. Store tightly closed in a cool, dry and ventilated area, protected from direct sunlight and frost.

8. Quality Note

Analytical methods shown are technically appropriate reference methods for the declared parameter and product matrix. Batch release results are recorded in the applicable COA.