

Calcium Nitrate Granular

CAS Number: 15245-12-2



Suggested applications

Used as base fertilizer, topdressing and foliar fertilizer in agriculture. It rapidly supplements nitrogen and calcium, prevents crop calcium deficiency (e.g., fruit cracking), promotes root, flower and fruit growth. It improves the soil and granulates the soil making it loose and anti-caking. Suitable for greenhouse and various soils or soilless culture. Its granular form facilitates storage and field application.

Physical properties

White granules, highly water soluble and hygroscopic, with neutral pH(5-7). With uniform particle size and good fluidity, it has no obvious odor, regular appearance, and needs moisture avoidance during storage and transportation to prevent caking.

Packaging & Storage

Packed in 25kg or 1-1.2mt big bags.
Customized bags packing is available.
Stored at cool, dry and well ventilated place.

Target properties

Chemical formula	5Ca(NO ₃) ₂ • NH ₄ NO ₃
Total Nitrogen (N)% ≥	15.5
Nitrate Nitrogen (N)% ≥	14.4
Ammonium Nitrogen (N)% ≥	1.1
Calcium Oxide (CaO) % ≥	26
Calcium (Ca) % ≥	18
Iron (Fe) % ≤	0.005
Chloride, (Cl) % ≤	0.02
pH Value	5-7
Water insoluble % ≤	0.1
Granule size mm	2-4

*permissible tolerance of 0.1-0.2% is possible for main content and moisture due to different testing methods under diverse conditions