

SPECIFICATION

Product Name: Calcium Propionate Feed Grade
Chemical Formula: $\text{Ca}(\text{C}_2\text{H}_5\text{COO})_2$
CAS Number: 4075-81-4
Molecular Weight: 186.22 g/mol
Appearance: A White Crystalline Powder
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification
Assay (On Dry Base)	%	98.76	98.0 - 100.0
Solubility		Water Soluble	Water Soluble
PH (5% aqueous solution)	%	7.79	7.0 - 9.5
Sulphate(SO_4)	%	≤ 0.01	Max. 0.01
Chloride(Cl)	%	≤ 0.01	Max. 0.01
Iron(Fe)	%	≤ 0.005	Max. 0.005
Heavy Metals(Pb)	%	≤ 0.001	Max. 0.001
Water insoluble matter	%	≤ 0.15	Max. 0.15

Physical Properties

- Solubility: Freely soluble in water; slightly soluble in alcohol.

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage.
- Storage Conditions: Store in a cool, dry, and well-ventilated area. Keep tightly closed in original moisture-proof bags/containers. Protect from moisture and humidity (product is hygroscopic). Keep away from direct sunlight and heat sources. Avoid contact with strong acids and oxidizing agents.

Applications

- Use: Effective preservative to prevent growth of mold and fungi in compound feed and raw materials. Used in cattle, swine, and other livestock feed formulations for safe preservation.
- Dosage: Depends on moisture level, storage time, and risk of mold growth.

Packaging

- Standard Packing: 25 kg woven PP bags with inner liner or as per customer requirement.
- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.