

SPECIFICATION

Product Name: Dicalcium Phosphate (DCP) – Feed Grade
Chemical Formula: $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$
CAS Number: 7757-93-9
Molecular Weight: 172.09 g/mol
Appearance: White to off-white, free-flowing powder or granular form
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min/Max)
Phosphorus (P)	%	18.0	Min 17.5
Calcium (Ca)	%	23.0	Min 23.0
Fluorine (F)	%	0.10	Max 0.18
Arsenic (As)	ppm	≤ 10	Max 10
Lead (Pb)	ppm	≤ 20	Max 20
Cadmium (Cd)	ppm	≤ 10	Max 10
Moisture (H ₂ O)	%	4.0	Max 5.0
Loss on Ignition	%	8.0	Max 10.0
Heavy Metals (as Pb)	ppm	≤ 20	Max 20

Physical Properties

- Solubility: Slightly soluble in water, soluble in dilute acids
- Free Flowing without lumps or caking

Shelf Life & Storage

- Shelf Life: 3 years from date of manufacture under recommended storage

- Storage Conditions: Store in cool, dry, and well-ventilated area, away from moisture and direct sunlight. Keep packaging intact and sealed.

Applications

- Use: Mineral supplement for livestock and poultry feed to promote growth, fertility, and bone development.

- Dosage: As per animal nutritionist's recommendation.

Packaging

- Standard Packing: 50 kg woven PP bags with inner liner, 5 kgs and 100 grams, 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