

# TECHNICAL DATA SHEET

## DICALCIUM PHOSPHATE (DCP) – FEED GRADE

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### 1. Product Description

Dicalcium Phosphate (DCP) is a high-quality inorganic feed additive used as a source of **phosphorus and calcium** in animal nutrition. It supports **bone development, growth performance, and metabolic functions** in livestock and poultry.

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### 2. Chemical Composition

Parameter	Specification	Typical Value
Phosphorus (P)	$\geq 18.0\%$	18.08 %
Calcium (Ca)	$\geq 20.0\%$	20.12 %
Fluorine (F)	$\leq 0.10\%$	0.05 %
Moisture	$\leq 4.0\%$	0.76 %

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### 3. Heavy Metals

Parameter	Specification	Typical Value
Arsenic (As)	$\leq 0.0025\%$	0.0009 %
Lead (Pb)	$\leq 0.0030\%$	0.0007 %

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### 4. Physical Properties

Parameter	Specification
Appearance	White to light grey powder or granules
Particle Size	$\geq 95\%$ (10–40 mesh)
Odor	Odorless
Solubility	Slightly soluble in water

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### 5. Nutritional Role

- Provides **bioavailable phosphorus and calcium**
- Supports:

- Skeletal development
  - Eggshell formation in layers
  - Growth and feed efficiency
  - Enzyme and metabolic functions
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## 6. Application & Dosage Guidelines

Animal Category	Inclusion Rate
Poultry	1.0 – 2.0 % of feed
Swine	1.0 – 1.8 % of feed
Ruminants	0.5 – 1.5 % of feed
Aquaculture	1.0 – 2.5 % of feed

*Note: Inclusion depends on formulation and existing mineral levels.*

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## 7. Packaging

- 25 kg polypropylene (PP) bags with inner liner
  - Bulk packaging available upon request
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## 8. Shelf Life

- **24 months** from date of manufacture when stored under recommended conditions
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## 9. Storage Conditions

- Store in a **cool, dry, well-ventilated area**
  - Protect from moisture and direct sunlight
  - Keep bags tightly sealed
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## 10. Quality & Compliance

- Feed Grade Quality
- Manufactured under controlled quality standards
- Complies with international feed safety requirements

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## 11. Safety Information

- Non-toxic when used as directed
- Avoid inhalation of dust
- Use appropriate PPE during handling

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## 12. Manufacturer Details

**Qingdao Rechem Chemical Co., Limited**  
Shibei District, Qingdao, Shandong, China

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