



## TECHNICAL DATA SHEET

Product Name: Sodium Calcium Phosphate  
CAS Number: 13780-17-1  
Molecular Formula:  $\text{CaNaPO}_4 \cdot x\text{H}_2\text{O}$  (depending on grade)  
Molecular Weight: 136.06 (anhydrous)  
EC Code: Not allocated

### 1. Product Description

Sodium Calcium Phosphate is a white crystalline powder commonly used as a functional calcium and phosphate additive in food, feed, and industrial applications. It provides a stable and bioavailable source of calcium and phosphate, essential for bone health, energy metabolism, and overall nutritional supplementation. Its excellent solubility and safety profile make it suitable for food fortification, feed formulations, and industrial processes.

### 2. Specification

Parameter	Specification
Appearance	White crystalline powder
Calcium (Ca)	16–18%
Phosphate ( $\text{P}_2\text{O}_5$ )	19–22%
Sodium (Na)	8–10%
pH (10% solution)	6.5–8.0
Moisture	≤2%
Heavy Metals (Pb)	≤10 ppm
Insoluble Matter	≤0.5%
Particle Size	80–100 mesh

### 3. Applications

Food additive: Calcium fortification, leavening agent, nutritional supplement

Feed additive: Mineral supplement for livestock and poultry

Industrial: Fertilizers, ceramics, pharmaceuticals

### 4. Packaging and Storage

Packaging: 25 kg net per fiber drum or paper bag, inner with PE liner  
Shelf Life: 24 months when properly stored  
Storage Conditions: Store in a cool, dry place, away from light and moisture

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## **5. Regulatory Status**

Food grade, conforms to FCC / USP standards (depending on grade)  
Manufactured under ISO and HACCP-certified facilities  
Non-GMO, Allergen-Free, BSE/TSE-free

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