



连云港科德化工有限公司

LIANYUNGANG KEDE CHEMICAL INDUSTRY CO., LTD

TEL:0086-518-80868862

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DICALCIUM PHOSPHATE ANHYDROUS SPECIFICATION

- Chemical Name: Dicalcium Phosphate Anhydrous
- Formula: CaHPO_4
- CAS Number : 7757-93-9
- Molecular Weight: 136.09
- Specificity: White powder; odorless; tasteless, slightly soluble in water, soluble in dilute Hydrochloric, Nitric and Acetic Acid. Steady in air, insoluble in alcohol
- Quality standard:

Name of index	USP	FCC-V
Appearance	White powder	White powder
Content (As $\text{CaHPO}_4 \cdot 2 \text{H}_2\text{O}$) , %	98.0~105.0	97.0~105.0
Loss on ignition, %	6.6-8.5	7.0-8.5
Heavy metal (As Pb) , %	≤ 0.003	---
Lead %	≤ 0.000025	≤ 0.0001
Arsenic (As), %	≤ 0.0001	≤ 0.0001
Cadmium, %	≤ 0.00003	< 0.0001
Mercury , %	≤ 0.00002	< 0.0001
Chromium VI, %	≤ 0.0002	---
Fluorides (As F) , %	≤ 0.005	≤ 0.005
Acid-insoluble Substances, %	≤ 0.02	≤ 0.02
Sulfate, %	≤ 0.5	---
Chloride(As Cl) , %	≤ 0.25	---
Barium,	Conform	---
Carbonate,	Conform	---
Density :	550 g/ ltr.	
120 Mesh	99%	$< 0,125 \text{ mm}$
200 Mesh	$> 90\%$	$< 0,075 \text{ mm}$
325 Mesh	$> 80\%$	$< 0,045 \text{ mm}$
Total aerobic viable plate count	$< 1.000 \text{ cfu/ g}$	
Yeasts	$< 10 \text{ cfu/ g}$	
Moulds	$< 100 \text{ cfu/ g}$	
Enterobacteria negative	in 1 g	
Aluminium-content :	$< 100\text{ppm}$	



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- Uses: In food industry, it is used as leavening agent, such as leavenin and modifier for flour, cake, pastry, bake. In medicine Industry to make calcium tablets, tablet medicine additive for the people's body of Calcium and Phosphorus.
 - Packing: It is packed with polyethylene bag as liner, and a woven bag as the outer layer. The net weight of each bag is 25kg.
 - Storage and Transport: It should be stored in a dry, ventilate and clean warehouse ,kept away from moisture and hot, furthermore, it should be stored separately from poisonous. It's expiry date two year.