

DICALCIUM PHOSPHATE

磷酸氢钙

- 1、Formula: Anhydrous CaHPO_4 ; Dihydrate $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$
- 2、Formula wt: anhydrous 136.06
Formula wt: dihydrate 172.09
- 3、CAS: anhydrous [7757-93-9]; CAS: dihydrate [7789-77-7]
- 4、Einecs: 231-826-1
- 5、Specificity: white monoclinic crystalline powder, odorless, soluble in diluted hydrochloric acid, nitric acid, acetic acid, slightly soluble in water, insoluble in ethanol. relative density: 2.32.
- 6、H.S. Code: 28352520 CIQ Checking: Statutory Inspection
- 7、Tax refund rate:5%
- 8、Loading capacity 20 feet FCL: 22mt without pallets/ 20mt with pallets
- 9、Packing: 25kg net paper bag or jumbo big bag with PE liner.
- 10、Storage and Transport: Store in a tightly sealed container in a cool, dry, well ventilated area. Avoid exposure to heat and moisture.

指标名称	Name of index		FCC-V	E 341 (ii)	USP-30
外观	Description		White crystal or granular, granular powder or powder		
含量	Assay	%	97.0-105.0	98.0--102.0(200°C, 3h)	98.0-100.5
P ₂ O ₅ 含量(无水物)	P ₂ O ₅ Content(Anhydrous basis)	%	--	50.0--52.5	--
鉴别试验	Identification		Pass test	Pass test	Pass test
溶解测试	Solubility tests		--	Sparingly soluble in water. Insoluble in ethanol.	--
氟化物	Fluoride,	≤mg/kg	50	50(expressed as fluorine)	50
灼烧失重	Loss on ignition, (After ignition at 800°C ±25°C for 30minutes)	%	7.0-8.5 (Anhydrous) 24.5-26.5 (Dihydrate)	≤8.5 (Anhydrous) ≤26.5 (Dihydrate)	6.6-8.5 (Anhydrous) 24.5-26.5 (Dihydrate)
碳酸盐	Carbonate		--	--	Pass test
氯	Chloride	≤%	--	--	0.25
硫酸盐	Sulphate	≤%	--	--	0.5
砷	Arsenic	≤mg/kg	3	1	3
钡	Barium		--	--	Pass test
重金属	Heavy metals	≤mg/kg	--	--	30
酸不溶物	Acid-insoluble substance	≤%	--	--	0.2
有机挥发杂质	Organic volatile impurities		--	--	Pass test
铅	Lead	≤mg/kg	2	1	--
镉	Cadmium	≤mg/kg	--	1	--
汞	Mercury	≤mg/kg	--	1	--
铝	Aluminium		--	Not more than 100 mg/kg for the anhydrous form and not more than 80 mg/kg for the dihydrated form (only if added to food for infants and young children) Not more than 600 mg/kg for the anhydrous form and not more than 500 mg/kg for the dihydrated form (for all uses except food for infants and young children). This applies until 31 March 2015. Not more than 200 mg/kg for the anhydrous form and the dihydrated form (for all uses except food for infants and young children). This applies from 1 April 2015.	--

- 1、分子式: 无水物 CaHPO_4 ; 二水物 $\text{CaHPO}_4 \cdot 2\text{H}_2\text{O}$
- 2、分子量: 无水物 136.06; 二水物 172.09
- 3、性能: 白色单斜结晶粉末, 无臭无味, 溶于稀盐酸、硝酸、醋酸、微溶于水, 不溶于乙醇。相对密度为 2.32。空气中稳定。75°C开始失水生成无水磷酸氢钙。
- 4、用途: 食品工业中作疏松剂。面团改良剂、缓冲剂、营养增补剂、乳化剂、稳定剂等。如作面粉、蛋糕、糕点、焙制品的膨松剂, 复配型面包改质剂, 油炸食品改质剂。亦用于饼干、奶粉、冷饮、冰淇淋粉。作营养增补剂或品质改良剂。
- 5、包装: 外袋为编织袋或牛皮纸袋, 内衬聚乙烯塑料袋, 每袋净重 25kg。

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