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Monocalcium Phosphate (MCP) Specification

Food grade Monocalcium Phosphate is a white crystalline powder or flaky crystal that is soluble in hydrochloric acid and nitric acid and slightly soluble in water. It is used in the food industry as a swelling agent, dough regulator, buffering agent, firming agent, nutritional supplement and a chelating agent.


CAS No.	anhydrous: 7758-23-8; monohydrate : 10031-30-8
E No.	E341
HS Code	283539
Packaging	25kg
Place of origin	China
Certificate	Haccp, Kosher, Hala, ISO
Payment terms:	T/T or L/C
Port of dispatch	Shanghai, Tianjin, Qindao
Applications	Food grade Monocalcium Phosphate appears as a white powder. This product is often used as a leavening agent, dough regulator, buffer, modifier, solidification agent, nutritional supplement, chelating agent, in bread, cakes, biscuits, and meat products.

Monocalcium Phosphate

Molecular formula:	Ca(H ₂ PO ₄) ₂ , Ca(H ₂ PO ₄) ₂ ·H ₂ O
Molecular weight:	anhydrous: 234.05; monohydrate : 252.07

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CAS NO.:	anhydrous: 7758-23-8; monohydrate : 10031-30-8			
Performance:	<p>It is white crystalline powder or flaky crystal. Specific gravity is 2.220. When heated to 100°C, it begins to lose crystal water.</p> <p>It is soluble in hydrochloric acid and nitric acid, slightly soluble in</p>			
Packing:	It is packed with polyethylene bag as inner layer, and a compound plastic woven bag as the outer layer. The net weight of each bag is 25kg.			
Storage and transport:	It should be stored in a dry and ventilating warehouse; be cautious to keep away from moisture and hot; unloaded with care, so as to avoid the damage. Furthermore, it should be stored separately from			
use:	In food industry, it is used as swelling agent, dough regulator, buffering agent, modifier, firming agent, nutritional supplement, chelating agent.			
other information:	Specification	GB25559-2010	FCC,1999	
	Content(As Ca), w/%	anhydrous	16.8-18.3	16.8-18.3(Anhydrous)
		monohydrate	15.9-17.7	15.9-17.7(Monohydrate)
	Arsenic (As), mg/kg ≤	3	3	
	lead (Pb), mg/kg ≤	3	5	
	Heavy Metal(As P b), mg/kg ≤	10	15	
	Fluoride(F), mg/kg ≤	25	50	
	Loss On Drying, w/% ≤	1.0	1.0(Anhydrous)	
Loss On Ignition, w/% ≤	14.0-15.5	14.0-15.5(Monohydrate)		

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	Clarity	passed testing	--
	Carbonate	passed testing	--
	Free Acid & Its Auxiliary Salt	passed testing	--

We're Food grade Monocalcium Phosphate **Manufacturers, Suppliers and Wholesalers** in China. Based on our 15 years in food additives & ingredients market, we have a knowledge of China market and manufacturers. We can help our abroad customers save time selecting good manufacturers and update the current market in China.

Contact Us

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