

DATA SHEET		Monodicalcium Phosphate	
Chemical name	Calcium bis(dihydrogenorthophosphate) and Calcium hydrogenorthophosphate: product obtained chemically and composed of dicalcium phosphate and monocalcium phosphate.		
Chemical formula	Ca(HPO <sub>4</sub> ) x 2H <sub>2</sub> O - Ca(H <sub>2</sub> PO <sub>4</sub> ) <sub>2</sub> x H <sub>2</sub> O CAS n°: [-]    EC n°: [914-172-8]		
Commercial name	Monodicalcium Phosphate, MCP-DCP, MDCP 11.3.2 – Catalogue of feed materials Reg. (EU) No 2017/1017		
Description	It occurs as a white, odourless, microgranulated powder chemically obtained from inorganic sources. Partly soluble in water, it's readily soluble in common diluted acids and in ammonium citrate.		
Chemical characteristics (Typical values)	<div>Total Phosphorus (P) = (20.0 ± 0.2)% Calcium (Ca) = (20.5 ± 1.0)% Ca/P = 1.0 Moisture = 1.0% max pH (1% solution in water) = 4.0 – 5.0</div> <div><b>Undesirable substances</b> Fluorides &lt; 0.2% Cadmium &lt; 10 mg/kg Lead &lt; 15 mg/kg Arsenic &lt; 10 mg/kg Mercury &lt; 0.1 mg/kg Dioxins (WHO-TEQ) &lt; 0.75 ng/kg Dioxins + dioxin-like PCBs &lt; 1.0 ng/kg non-dioxin-like PCBs &lt; 10 µg/Kg</div> <div><b>Bioavailability indicators</b> Solubility of Phosphorus in: - citric acid 2%: 95% min - neutral ammonium citrate : 95% min - alkaline ammonium citrate: 95% min - water: 45 - 65%</div> <div><b>EU Standards</b> max 0.2 % max 10 mg/kg max 15 mg/kg max 10 mg/kg max 0.1 mg/kg max 0.75 ng/kg max 1.0 ng/kg max 10 µg/Kg</div> <div>(Met. 71/393/CEE ) (Complessometry)  (Thermogravimetric Met.) (Potentiometry)</div>		
Physical characteristics (Typical values)	<div>Apparent density      Loose: 0.9-1.0 kg/dm<sup>3</sup> Tapped: 1.0-1.1 kg/dm<sup>3</sup></div> <div>Particle size                                   &gt;0.5mm : 15%                                  0.5-0.2mm : 30%                                  &lt;0.2mm : 55%</div>		

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<b>Recommended uses</b>	Feedingstuff, according to Reg. (EC) n. 178/2002 and Reg. (EC) n. 183/2005.
<b>Labelling - Compulsory declarations</b>	<p>The type of feed: "feed material"</p> <p>The name of the feed material: mono-dicalcium phosphate</p> <p>Calcium and total Phosphorus</p> <p>The name and the address of responsible for the labelling</p> <p>The batch or lot reference number</p> <p>The net quantity expressed in units of mass</p> <p><i>According to Reg. (EC) No. 767/2009 and Reg. (EU) No. 1017/2017.</i></p>
	Bulk, PE bags 25 Kg net, big-bag 1000-1400 Kg net.
<b>Handling and storage</b>	Mono-dicalcium phosphate is a mineral, which is a stable feed. It should be stored in a dry cool and hygienic place, in properly packaging.
<b>Quality Assurance</b>	<p>GMP+ FSA Assured</p> <ul style="list-style-type: none"> <li>GMP+ B1, scope "Production of and trade in feed materials"</li> </ul>

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