

DATA SHEET		Dicalcium Phosphate 18%	
<b>Chemical name</b> <b>Chemical formula</b>	Calcium hydrogen orthophosphate dihydrate Ca(HPO <sub>4</sub> ) x 2H <sub>2</sub> O CAS n°: [7789-77-7]    EC n°: [231-826-1]		
<b>Commercial name</b>	Dicalcium Phosphate, DCP 1.3.1– Catalogue of feed materials Reg. (EU) No 2017/1017		
<b>Description</b>	It occurs as a white, odourless, fine powder, which is stable in air, chemically obtained from inorganic sources. It has a low solubility in water, but it is readily soluble in common diluted acids and in ammonium citrate.		
<b>Chemical characteristics</b>	P = (18.0 ± 0.2) % Ca = (24.0 ± 1.0)% Ca/P = 1.33 Moisture = 2.5 % max pH (1% solution in water) = 5.0 – 6.5		(Met. 71/393/CEE ) (Complessometry)  (Thermogravimetric Met.) (Potentiometry)
	<b>Undesirable substances</b> Fluorides < 0.2% Cadmium < 10 mg/kg Lead < 15 mg/kg Arsenic < 10 mg/kg Mercury < 0.1 mg/kg Dioxins (WHO-TEQ) < 0.75 ng/kg Dioxins + dioxin-like PCBs < 1.0 ng/kg non-dioxin-like PCBs < 10 µg/Kg		<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
	<b>Bioavailability indicators</b> Solubility of Phosphorus in: - 2% citric acid: 95% min - neutral ammonium citrate : 95% min - alkaline ammonium citrate: 95% min - water: 10 - 25%		(Met. 77/535/CEE 3.1.3) (Met. 77/535/CEE 3.1.4) (Met. 77/535/CEE 3.1.5.1) (Met. 77/535/CEE 3.1.5)
<b>Physical characteristics</b>	Apparent density	Loose: 0.8 - 0.9 kg/dm <sup>3</sup> Tapped: 1.02 - 1.12 kg/dm <sup>3</sup>	
	Particle size	> 0.5 mm = 4% 0.5 mm – 0.2 mm = 26% < 0.2 mm = 70%	

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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: 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>
<b>Packaging</b>	Bulk, paper bags 25 Kg net, big-bag 1000 -1400 Kg net.
<b>Handling and storage</b>	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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