

Mineral Fact Sheet

Monocalcium phosphate	
Formula:	Ca(H ₂ PO ₄) ₂ x H ₂ O
CAS No.:	7758-23-8
EC No.:	231-837-1
Feed Materials Catalogue:	11.3.3
Manufacturing Process:	
Monocalcium phosphate is obtained by reaction of a calcium source with purified feed grade phosphoric acid or by reaction of dicalcium phosphate feed grade with purified feed grade phosphoric acid.	
Characteristics:	
Total phosphorus	22 – 22.7 %
Soluble phosphorus	> 95 % in 2% citric acid
	> 95 % in alkaline ammonium citrate
	> 75 % in water
Calcium	15 – 17.5 %
Ca : P ratio	0.8 : 1
pH (1% solution)	3.5 – 4.5
Ash insoluble in HCl	0.5 – 1 %
Moisture	0.3 – 1 %
Appearance	off white granulate
Apparent density	0.85 – 1.0 kg/l loose
	1.0 - 1.1 kg/l tapped
Handling, storage, toxicity:	
Non toxic	
Avoid dust formation	
Store in a dry place	
Specific information:	
High phosphorus concentration, Ca : P ratio 0.8 : 1, granulated, free flowing	