

Specification Monocalcium Phosphate Monohydrate FCC

The following specification is the latest revision (as at 07 Nov 2019) and supersedes all previous specifications for this product code.

Specification Details					
Product Code	MOCAPM3400	CAS Number	10031-30-8	Shelf Life	730 Day
Product	Monocalcium Phosphate Monohydrate FCC				
Pack Size	15 kg net Bags				
Revision	7 (on 8/06/2018)	Std. Compliance	FCC10, E341(i)		
Authorised By	Damien Barrett Quality Assurance Manager	Notes	Amended Aluminium.		

Specifications				
Description	Unit	Typical	Guaranteed	Method
Appearance: white powder				
Chemical Formula: Ca(H ₂ PO ₄) ₂ ·H ₂ O				
Molecular Weight: 252.07				
Appearance: white powder				
Identification A			Passes Test	FCC
Identification B			Passes Test	FCC
CaO Content	%		19.0 - 24.8	(E341(i))
Assay, as Ca	%		15.9 - 17.7	
Assay, as P ₂ O ₅ on the Anhydrous basis	%		55.5 - 61.1	
Purity, on the dried basis	%		Min 95.0	
Arsenic, As	ppm		Max 1	
Fluoride, F	%		Max 0.003	
Lead, Pb	ppm		Max 1	
Mercury, Hg	ppm		Max 1	
Cadmium, Cd	ppm		Max 1	
Heavy metals	ppm		Max 10	
Aluminium, Al	ppm	10 - 20	Max 70	
Loss on drying, 3hrs @60 deg C	%		Max 1.0	
Loss on drying, 4hrs @105 deg C	%		Max 17.5	
Neutralizing Value (NV)			80 - 85	
pH, 1:100			3.1 - 3.7	
pH, 10% slurry			2.5 - 4.0	
Particle size:	%			
Retained on 150 um, 100 Mesh	%		Max 2.0	
Passing through 75 um, 200 Mesh	%		Min 75.0	
MICROBIOLOGICAL:				
Yeast and Mould	cfu/g		Max 100	
E coli	cfu/g		Max 10	
Salmonella (per 25g)			Not detected	
Conforms to FCC10, E341(i)			Conforms	

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