



Product Specification

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tri-CALCIUM PHOSPHATE

PRODUCT CODE	042570		
SYNONYMS	Calcium phosphate tri-basic.		
C.I. NO.	--	Ca ²⁺	
CASR NO.	7758-87-4		
ATOMIC OR MOLECULAR FORMULA	Ca ₃ (PO ₄) ₂	Ca ²⁺	
ATOMIC OR MOLECULAR WEIGHT	310.18		
PROPERTIES	Soluble in acids, insoluble in water, alcohol and acetic acid. Nonflammable.	Ca ²⁺	
PARAMETER	LIMIT		
Description	White amorphous powder.		
Solubility	Practically insoluble in water. Soluble in dilute HCl and dilute nitric acid.		
Minimum Assay (Complexometric)	90.0%		
Particle size (Passing through 230 mesh)	~ 98%		
MAXIMUM LIMIT OF IMPURITIES			
Loss on ignition (at 800°C)	8.0%		
Water (H ₂ O)	2.5%		
Substance Insoluble in HCl	0.1%		
Chloride (Cl)	0.1%		
Sulphate (SO ₄)	0.5%		
Iron (Fe)	0.04%		
Note(s) : Assay (if applicable) method mentioned.			
WARNING Hazard statements: Causes mild skin irritation. Causes eye irritation. Toxic to aquatic life with long lasting effects. Precautionary statements: Prevention: Wash hands thoroughly after handling. Response: If skin irritation occurs, seek medical advice/ attention. If eye irritation persists, get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, If present and easy to do. Continue rinsing. Disposal: Dispose of contents and container in accordance with relevant legislation.		IMDG Code : UN No. : IATA :	
Hazard Pictogram(s) :			
GHS09			

Replace Date-24-Oct-2025