

5015 – TRI- CALCIUM PHOSPHATE (ANH.) (FOOD GRADE)

REF NO: TBL/QA/SS/F/5015	STANDARD SPECIFICATION FOR Tri- CALCIUM PHOSPHATE (ANH.) (FOOD GRADE)	Rev. No: 03
Issue No: 04		Review Date: 06/02/2025
Issue Date:07/02/2022		Product code: 5015

PRODUCT PROPERTIES

C.A.S Number	7758-87-4
Chemical Formula	Ca ₃ (PO ₄) ₂
Formula weight	310.18
Functional Uses	Tri- Calcium Phosphate is used as anticaking agent, buffer.
Standard Packaging	25Kg

PHYSICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Appearance	White, odorless powder which is stable in air.
Solubility	Practically insoluble in water; insoluble in ethanol, soluble in dilute hydrochloric and nitric acid.
Test for phosphate	Passes test
Test for calcium	Passes test

CHEMICAL PARAMETERS

PRODUCT PARAMETER	SPECIFICATION
Loss on ignition (after ignition at 825°C)	NMT – 10.0%
Fluoride	NMT – 50 mg/kg
Lead	NMT – 4 mg/kg
Assay (on ignited basis)	NLT - 90%

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

