



Name of Material	:	Calcium Phosphate/Tri Calcium Phosphate [E 341]
Manufacturer	:	NA
Supplier	:	NA
Country of Origin	:	NA
Batch/Lot No.	:	NA
MFG Date	:	NA
EXP Date	:	NA
Challan No.	:	NA
QA Ref. No.	:	NA
QRN Ref. No.	:	NA
Qty. Supplied	:	NA
Date of Received	:	NA
Date of Testing	:	NA
Date of Reporting	:	NA

SN	Description	Specification	Results
01	Physical appearance	A white or almost white powder, practically insoluble in water. It dissolves in dilute hydrochloric acid and in dilute nitric acid.	
02	Identification	Must be comply to BP	
03	Solubility	Practically insoluble in water, it dissolves in dilute mineral acid	
04	Water	Not more than 2.5% w/w	
05	Assay (Calcium Phosphate, calculated as Ca ₃ (PO ₄) ₂)	Not less than 90.00%	
06	Defects Free	Free from dust. Free from foreign matter. Free from abnormal color and flavor.	

Remarks	
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Decision	<input type="checkbox"/>	Accepted	<input type="checkbox"/>	Rejected
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Tested By

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Checked By

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Approved By

Other Related Information

Name of Material	Calcium Phosphate or Tri Calcium Phosphate [E 341]
Others Name	Calcium Phosphate. Tri Calcium Phosphate. TCP.
Chemical Composition	Ca ₃ (PO ₄) ₂ $\left[\begin{array}{c} \text{O} \\ \\ \text{O}-\text{P}-\text{O}^- \\ \\ \text{O}^- \end{array} \right]_2 \left[\text{Ca}^{2+} \right]_3$
Molar Mass	310.18 gm/mol
Density	3.14 gm/cm ³
Melting Point	1.670 C
Boiling Point	NA
Others Information	<ul style="list-style-type: none"> - Tri calcium phosphate is a salt of phosphoric acid. - It is also known as tribasic calcium phosphate and bone phosphate of lime [BPL]. - It is a white solid of low solubility. - It is used in baby powder. - It is used in antacids. - It is used in toothpaste.
Function in Food Process	<ul style="list-style-type: none"> - Used as an anticaking agent. - Used to prevent table salt from caking.