RADEEP PHARMA LLP
Survey No. 143, Tundav–Anjesar Road
Post: Tundav, Taluka: Savli
Vadodara – 391775, Gujarat (India)
Email: info@radeeppharma.com,

Product Data Sheet

Product Name	**Tri Calcium Phosphate Food Grade**
Molecular Formula	$Ca_3(PO_4)_2$
Molecular Weight	310.18 g/mol
CAS No.:	7758-87-4

Item of Test	**Standard Specification**
Description	A white, amorphous odourless powder.
Solubility	Practically insoluble in water and ethanol, soluble in dilute hydrochloric acid and nitric acid
Identification- A	Gives reaction of Calcium
Identification- B	Gives reaction of Phosphate
Assay (calculated as Ca3(PO4)2)	90.0% to 100.0% of Calcium Phosphate
Loss on Ignition (At 800°C for 30 Min)	NMT 8.0 %
Acid Insoluble Substances	NMT 0.3 %
Water soluble Substances	NMT 0.5 % w/w
Carbonates	No effervescence is produced
Sulphates	NMT 0.6% w/w
Chlorides	NMT 0.1% w/w
Iron	NMT 200 ppm
Arsenic	NMT 5 ppm
Heavy Metals	NMT 40 ppm
Water	NMT 2.0% w/w