



## PRODUCT SPECIFICATION SHEET

### Tricalcium Phosphate, Lab Grade

#### Product Specification (CAS RN: 7758-87-4)

Test	Specification	Typical Results
Description	White, odorless, tasteless powder	Complies
Assay	34.0% - 40.0% of Calcium	36.67
Identification A: Reaction of Calcium Salts	To comply the test	Complies
Identification B: Reaction of Phosphates	To comply the test	Complies
Impurities A: Chlorides	NMT 0.14%	<0.14
Impurities B: Sulphates	NMT 0.8%	<0.8
Impurities C: Carbonates	No effervescence is produced	Complies
Impurities D: Barium	No turbidity appears within 15 minutes	Complies
Impurities E: Nitrates	Blue color persists for NLT 5 minutes	Complies
Impurities F: Fluorides	NMT 75 ppm	<75
Impurities G: Heavy metals	NMT 0.003%	<0.003
Impurities H: Lead	NMT 5 ppm	<5
Impurities I: Arsenic	NMT 3 ppm	<3
Dibasic salts and CaO	To comply the test	Complies
Solubility	Freely soluble in 3N hydrochloric acid and in 2N Nitric acid; Practically insoluble in water; insoluble in alcohol	Complies
Water soluble substance	NMT 0.5%	0.08
Acid insoluble substance	NMT 0.2%	0.12
Loss on Ignition (LOI)	NMT 8.0%	3.48

Appropriate/legal use of this product is the responsibility of the user.

[Tricalcium Phosphate, Lab Grade](#)

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