

PRODUCT SPECIFICATION SHEET
Tricalcium Phosphate, FCC/USP Grade

Product Specification

| 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.

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