

## Certificate of Analysis (Raw Material)

USP 47/ Official Monographs

**Product name:** *Tribasic Calcium Phosphate*

|             |            |                   |            |
|-------------|------------|-------------------|------------|
| Batch No:   | 4050230    | Date of Sampling: | 2026.05.20 |
| Prod. Date: | 2026.05.20 | Date of Analysis: | 2026.05.20 |
| EXP. Date:  | 2029.05.20 | Quantity:         | 50 gr      |

| Tests                            | Specifications                        | Results   | Test method |
|----------------------------------|---------------------------------------|-----------|-------------|
| 1 Appearance characteristics     | White off White                       | Pass      | USP 47      |
| 2 Identification                 | a yellow precipitate is formed        | Pass      | USP 47      |
| 3 Assay                          | 34.0%-40.0%<br>(on the dried basis)   | 38.5 0 %  | USP 47      |
| 4 Chloride                       | NMT 0.14%                             | 0.02 %    | USP 47      |
| 5 sulfate                        | NMT 0.8%                              | 0.1 %     | USP 47      |
| 6 Arsenic                        | NMT 3 ppm                             | 0.5 µg/g  | USP 47      |
| 7 Barium                         | No turbidity apears within 15 min     | Pass      | USP 47      |
| 8 Carbonate                      | No effervence is produce              | Pass      | USP 47      |
| 9 Dibasic Salt and Calcium Oxide | NMT 5 mg (NMT 0.5%)                   | 0.05 %    | USP 47      |
| 10 Acid-Insoluble substances     | NMT 4 mg (NMT 0.2%)                   | 0.0 %     | USP 47      |
| 11 Floride                       | NMT 75 ppm                            | 25.0 ppm  | USP 47      |
| 12 Nitrate                       | The blue color presists for NLT 5 min | Pass      | USP 47      |
| 13 Water-Soluble Substances      | The weight of residue is NMT 5 mg     | 3.4       | USP 47      |
| 14 Loss on Ignition              | NMT 8.0 %                             | 3.0 %     | USP 47      |
| 15 Size Particle (D90)           | -                                     | 200 µm    | In house    |
| 16 TAMC                          | < 100                                 | Negative  | USP 47      |
| 17 TYMC                          | <10                                   | Negative  | USP 47      |
| 18 Bulk density                  | -                                     | 1.10 g.ml | USP 47      |
| 19 Tapped density                | -                                     | 1.37 g.ml | USP 47      |

**Analyst**



**QC Manager**



**Authorized Pharmacist**

