

Quality Specification: Sodium Tripolyphosphate (STPP)

Edition: MAY 2021

Bach Number: A/D-P24-2021/02/12

Appearance: White powder

| Chemical properties | Unit | Result | Method |
|--|--------------------|--------|------------|
| P ₂ O ₅ Content | % | 56.54 | BS 4427-10 |
| Sodium Triopoly phosphate (Na ₅ P ₃ O ₁₀) Content Expressed as a % of total phosphate content | % | 96.12 | BS 4427-7 |
| pH Solution 1 % | pH | 9.28 | ASTM |
| Water Insoluble | % | 0.01 | BS 4427-1 |
| Moisture | % | 0.02 | ASTM |
| L.O.I | % | 0.46 | BS 4427-4 |
| Temperature Rise | C° | 9.40 | ASTM |
| Phase (Form) I | % | 13.60 | ASTM |
| Arsenic | mg/kg | 2 | ICP* |
| Fe | % | 0.005 | BS 4427-3 |
| Heavy Metals | mg/kg | 5 | ICP* |
| Physical properties | | | |
| Particle Size Distribution | | | BS 4427-5 |
| > 20 | % | 0.08 | |
| > 40 | % | 4.55 | |
| > 100 | % | 37.50 | |
| > 200 | % | 44.35 | |
| > 270 | % | 5.51 | |
| 270 ≤ | % | 7.41 | |
| Bulk Density | gr/cm ³ | 0.85 | ASTM |
| Whiteness Level (DRK103C Full Automatic Colorimeter) | % | 91.50 | |

* Inductively Coupled Plasma Method