

Product Description

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| Chemical characterization | Zinc orthophosphate hydrate |
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Zinc Phosphate ZP 10BS is a white anti-corrosive pigment for the application in protective coatings.

Technical Data

| | Unit | Value | Test Method |
|--|----------------------|-------------|--------------------|
| Zinc as Zn | [%] | 50.5 - 52.0 | acc. to ISO 6745 |
| Phosphorous as PO ₄ ³⁻ | [%] | 47.0 - 49.0 | acc. to ISO 6745 |
| Water-soluble chloride | [%] | max. 0.025 | acc. to ISO 787-13 |
| Water-soluble sulphate | [%] | max. 0.05 | acc. to ISO 787-13 |
| Lead as Pb | [ppm] | max. 10 | ICP-OES |
| Cadmium as Cd | [ppm] | max. 10 | ICP-OES |
| Loss on ignition 600 °C | [%] | 8.5 - 10.0 | acc. to ISO 6745 |
| Conductivity | [µS/cm] | max. 150 | acc. to ISO 787-14 |
| pH value | | 6.0 - 8.0 | acc. to ISO 787-9 |
| Density | [g/cm ³] | typ. 3.3 | acc. to ISO 787-10 |
| Bulk density | [g/cm ³] | typ. 0.4 | |
| Tamped density | [g/cm ³] | typ. 0.8 | acc. to ISO 787-11 |
| Oil absorption | [g/100g] | typ. 20 | acc. to ISO 787-5 |
| Sieve residue 32 µm | [%] | max. 0.01 | acc. to ISO 787-7 |
| Average particle size | [µm] | 2.0 - 4.0 | acc. to ISO 13319 |

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