



POLY FERT
— FOR INDUSTRY & TRADE —

ROCK PHOSPHATE SPECIFICATION

Chemical Analysis

| P ₂ O ₅ % | 24 | 25 | 27 | 28 | 30 |
|---------------------------------|-------|-------|---------|---------|-------------|
| BPL % | 52.4 | 54.6 | 59 | 61 | 65.5 |
| Ca O | 41.17 | 41.17 | 46 - 48 | 46 - 48 | 48 - 51 |
| Mg O | 0.92 | 0.92 | 0.4 max | 0.4 max | 0.5 max |
| Fe ₂ O ₃ | 1.41 | 1.41 | 1 - 1.5 | 1 - 1.5 | 1 max |
| Al ₂ O ₃ | 0.80 | 0.80 | 1 max | 1 max | 0.48 max |
| Cl | 0.31 | 0.31 | 0.30 | 0.30 | 0.14 - 0.35 |
| F | 2.46 | 2.46 | 3 max | 3 max | 2.7 - 3 |
| H ₂ O | 1.25 | 3 max | 3 max | 3 max | 3 max |
| L.O.I | 8.58 | 8.58 | 7.5 | 7.5 | 6.6 - 8 |
| SiO ₂ | 16.08 | 16.08 | 6 - 8 | 6 - 8 | 6 - 8 |
| CO ₂ | 7.04 | 7.04 | 4 - 6 | 4 - 6 | 4.39 - 6.8 |
| CaCO ₃ | 15.99 | 15.99 | 13 - 14 | 13 - 14 | 14 - 15.5 |
| Na ₂ O | 0.50 | 0.50 | 0.50 | 0.50 | 0.50 |
| K ₂ O | 0.60 | 0.60 | 0.60 | 0.60 | 0.60 |
| SO ₃ | 1.62 | 1.62 | 1.5 max | 1.5 max | 1.15 - 1.6 |
| Organic Matter | 1.5 | 1.5 | 1.5 | 1.5 | 1.3 |
| Solubility in 2% Citric Acid | 32 | 32 | 32 | 32 | 52 |
| Solubility in 2% Formic Acid | 45 | 45 | 45 | 45 | 92 |
| T.C.P | 61.18 | 61.18 | 61.18 | 61.18 | 65.56 |

Sieve Analysis

| Size | % |
|--------------|-------|
| 4 Mesh | 0-5 |
| 4-120 Mesh | 65-80 |
| 120-170 Mesh | 10-12 |
| 170-230 Mesh | 5-6 |
| 230 Mesh | 3-4 |



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