

PORTLAND CEMENT CLINKER Ref #17
TYPICAL PROPERTIES

| Specifications | Unit | Typical Range | Normal test Results |
|--|------|--|---------------------|
| Silicon Dioxide SiO ₂ | % | 20,50 - 22,50 | 22,07 |
| Aluminum Trioxide Al ₂ O ₃ | % | 4,50 - 6,50 | 5,45 |
| Ferric Oxide (Fe ₂ O ₃) | % | 2,50 - 4,50 | 3,05 |
| Calcium Oxide CaO | % | 63,00 - 66,00 | 64,34 |
| Magnesium Oxide (MgO) | % | 1,50 - 3,00 | 2,07 |
| Potassium Oxide (K ₂ O) | % | T. Alkalis (Na ₂ O Eq.) 1.00 (Max) | 0,77 |
| Sodium Oxide Na ₂ O | % | T. Alkalis (Na ₂ O Eq.) 1.00 (Max) | 0,77 |
| Sulfur Trioxide SO ₃ | % | 1,50 (Max) | 0,34 |
| Chloride (Cl) | % | 0,02 (Max) | 0,003 |
| CaO / SiO ₂ | % | 2,00 (Min) | 2,92 |
| Tricalcium Silicate (C ₃ S) | % | 50,0 (Max) | 48,59 |
| Free CaO | % | 2,50 (Max) | 1,11 |
| LSF | % | 90 (Min) | 91,64 |
| SIM | % | 3,00 (Max) | 2,6 |
| ALM | % | 1,2 (Min) | 1,79 |