

PREPARED FOR TITAN CEMENT Ltd. HULL

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|---------------------------|-------------|-------------|
| REPORT REFERENCE | TITAN | |
| WEEKLY REFERENCE | 45 | 2021 |
| SAMPLE | CEM I 52.5N | |
| SAND | FRENCH | |
| DATE OF RECEIPT OF SAMPLE | 7-Dec-21 | |
| DATE OF TESTS | 9-Nov-21 | to 7-Dec-21 |
| DATE OF REPORT | 7-Dec-21 | |

ALL RESULTS ARE BASED ON THE SAMPLE RECEIVED FROM THE CLIENT

| | | |
|----------------------|-------------------------|-------------------|
| FINENESS | 4150 cm ² /g | (BSEN 196-6:2010) |
| STANDARD CONSISTENCE | 29.5 % | (BSEN 196-3:2016) |
| INITIAL SETTING TIME | 165 mins | (BSEN 196-3:2016) |

COMPRESSIVE STRENGTH: MORTAR PRISMS (BSEN 196-1:2016)

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|------------|----------|-------------------------------------|
| AT 2 DAYS | 31.8 MPa | (Mean of 6 results, none discarded) |
| AT 7 DAYS | 49.3 MPa | (Mean of 6 results, none discarded) |
| AT 28 DAYS | 65.4 MPa | (Mean of 6 results, none discarded) |

CHEMICAL COMPOSITION :- by mass, as received

| | | |
|------------------------------------|----------------------|-------------------|
| CHLORIDE | 0.01 % | (BSEN 196-2:2013) |
| AVERAGE CHLORIDE | 0.02 Last 25 Results | |
| Na ₂ O | 0.15 % | (BSEN 196-2:2013) |
| K ₂ O | 0.57 % | (BSEN 196-2:2013) |
| Na ₂ O (equiv) | 0.53 % | (BSEN 196-2:2013) |
| Na ₂ O Average Alkali's | 0.54 Last 25 Results | |

END OF REPORT

SIGNED:.....

Certificate signed by: 
 S. Burton A.M.I.C.T
 Technical Manager

J.M. Burton
 Quality Manager