

**PREPARED FOR TITAN CEMENT Ltd. HULL**

|                           |             |              |
|---------------------------|-------------|--------------|
| REPORT REFERENCE          | TITAN       |              |
| WEEKLY REFERENCE          | 22          | 2022         |
| SAMPLE                    | CEM I 52.5N |              |
| SAND                      | FRENCH      |              |
| DATE OF RECEIPT OF SAMPLE | 21-Dec-21   |              |
| DATE OF TESTS             | 1-Jun-22    | to 29-Jun-22 |
| DATE OF REPORT            | 29-Jun-22   |              |

**ALL RESULTS ARE BASED ON THE SAMPLE RECEIVED FROM THE CLIENT**

|                      |                         |                   |
|----------------------|-------------------------|-------------------|
| FINENESS             | 3930 cm <sup>2</sup> /g | (BSEN 196-6:2010) |
| STANDARD CONSISTENCE | 29.0 %                  | (BSEN 196-3:2016) |
| INITIAL SETTING TIME | 176 mins                | (BSEN 196-3:2016) |

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

|            |          |                                     |
|------------|----------|-------------------------------------|
| AT 2 DAYS  | 33.8 MPa | (Mean of 6 results, none discarded) |
| AT 7 DAYS  | 47.3 MPa | (Mean of 6 results, none discarded) |
| AT 28 DAYS | 67.0 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 <sub>2</sub> O                  | 0.18 %               | (BSEN 196-2:2013) |
| K <sub>2</sub> O                   | 0.60 %               | (BSEN 196-2:2013) |
| Na <sub>2</sub> O (equiv)          | 0.57 %               | (BSEN 196-2:2013) |
| Na <sub>2</sub> O Average Alkali's | 0.55 Last 25 Results |                   |

**END OF REPORT**

SIGNED:.....

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

J.M. Burton  
Quality Manager