

## PREPARED FOR TITAN CEMENT Ltd. HULL

REPORT REFERENCE	Titan	98
CLIENT REFERENCE	CHEMISTRY	2022
SHIP REFERENCE	"2-22"	
SAMPLE	ORDINARY PORTLAND CEMENT	
DATE OF RECEIPT OF SAMPLE	15-Feb-22	
DATE OF TESTS	15-Feb-22	to 15-Mar-22
DATE OF REPORT	15-Mar-22	

### ALL RESULTS RELATE ONLY TO SAMPLE TESTED CHEMICAL COMPOSITION :- by mass, as received

Density	3120 kg/m <sup>3</sup>	(BSEN 196-6:2010)
Fineness	4100 cm <sup>2</sup> /g	(BSEN 196-3:2016)
Standard Consistance	29.0 %	(BSEN 196-3:2016)
Initial Setting Time	130 mins	(BSEN 196-3:2016)
Soundness	1.0 mm	(BSEN 196-3:2016)

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

AT 2 DAYS	36.5 MPa	(Mean of 6 results, none discarded)
AT 7 DAYS	55.5 MPa	(Mean of 6 results, none discarded)
AT 28 DAYS	68.6 MPa	(Mean of 6 results, none discarded)

### CHEMICAL COMPOSITION :- by mass, as received

K <sub>2</sub> O	0.57 %	(BSEN 196-2:2013)
Na <sub>2</sub> O	0.16 %	(BSEN 196-2:2013)
Na <sub>2</sub> O (eq)	0.54 %	(BSEN 196-2:2013)
Chloride	0.00 %	(BSEN 196-2:2013)

END OF REPORT

SIGNED:

Certificate signed by:



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Technical Manager

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Quality Manager