

PREPARED FOR TITAN CEMENT Ltd. HULL

REPORT REFERENCE	Titan	96
CLIENT REFERENCE	CHEMISTRY	2021
SHIP REFERENCE	"14-21	
SAMPLE	ORDINARY PORTLAND CEMENT	
DATE OF RECEIPT OF SAMPLE	14-Dec-21	
DATE OF TESTS	14-Dec-21	to 11-Jan-22
DATE OF REPORT	11-Jan-22	

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

Density	3120 kg/m ³	(BSEN 196-6:2010)
Fineness	4310 cm ² /g	(BSEN 196-3:2016)
Standard Consistance	29.5 %	(BSEN 196-3:2016)
Initial Setting Time	139 mins	(BSEN 196-3:2016)
Soundness	1.0 mm	(BSEN 196-3:2016)

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

AT 2 DAYS	33.2 MPa	(Mean of 6 results, none discarded)
AT 7 DAYS	48.1 MPa	(Mean of 6 results, none discarded)
AT 28 DAYS	63.6 MPa	(Mean of 6 results, none discarded)

CHEMICAL COMPOSITION :- by mass, as received

K ₂ O	0.57 %	(BSEN 196-2:2013)
Na ₂ O	0.18 %	(BSEN 196-2:2013)
Na ₂ O (eq)	0.56 %	(BSEN 196-2:2013)
Chloride	0.01 %	(BSEN 196-2:2013)

END OF REPORT

SIGNED:

Certificate signed by:



✓ S. Burton A.M.I.C.T

Technical Manager

J.M. Burton

Quality Manager