

PREPARED FOR TITAN CEMENT Ltd. HULL

REPORT REFERENCE	Titan	112
CLIENT REFERENCE	CHEMISTRY	2023
SHIP REFERENCE	"1-23"	
SAMPLE	ORDINARY PORTLAND CEMENT	
DATE OF RECEIPT OF SAMPLE	24-Jan-23	
DATE OF TESTS	26-Jan-23	to 23-Feb-23
DATE OF REPORT	27-Feb-23	

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

IR	0.51 %	(BSEN 196-6:2010)
SO ³	3.04 %	(BSEN 196-3:2016)
LOI	2.34 %	(BSEN 196-3:2016)
K ₂ O	0.55 %	(BSEN 196-3:2016)
Na ₂ O	0.20 %	(BSEN 196-3:2016)
Na ₂ O (eq)	0.56 %	(BSEN 196-3:2016)
Chloride	0.02 %	(BSEN 196-3:2016)

The following results are not covered by the laboratory's UKAS Schedule and were determined by xrf.

SiO ₂	18.36 MPa	By XRF
Al ₂ O ₃	3.94 MPa	By XRF
Fe ₂ O ₃	4.25 MPa	By XRF
CaO	63.6 MPa	By XRF
MgO	0.91 MPa	By XRF

The following results are not UKAS accredited:-

L.S.F.	1.04 %
C ₃ A	3.26 %
C ₃ S	72.81 %
C ₂ S	-2.28 %
C ₄ AF	12.92 %
Free Lime	1.33 %

END OF REPORT

SIGNED:



Certificate signed by:

✓ S. Burton A.M.I.C.T
Technical Manager

J.M. Burton
Quality Manager