

PREPARED FOR TITAN CEMENT Ltd. HULL

REPORT REFERENCE	Titan	103
CLIENT REFERENCE	CHEMISTRY	2022
SHIP REFERENCE	"7-22"	
SAMPLE	ORDINARY PORTLAND CEMENT	
DATE OF RECEIPT OF SAMPLE	28-Jun-22	
DATE OF TESTS	28-Jun-22	to 26-Jul-22
DATE OF REPORT	27-Jul-22	

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

IR	0.44 %	(BSEN 196-6:2010)
SO ³	2.91 %	(BSEN 196-3:2016)
LOI	2.44 %	(BSEN 196-3:2016)
K ₂ O	0.58 %	(BSEN 196-3:2016)
Na ₂ O	0.19 %	(BSEN 196-3:2016)
Na ₂ O (eq)	0.57 %	(BSEN 196-3:2016)
Chloride	0.00 %	(BSEN 196-3:2016)

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

SiO ₂	21.03 MPa	By XRF
Al ₂ O ₃	4.55 MPa	By XRF
Fe ₂ O ₃	4.14 MPa	By XRF
CaO	65.7 MPa	By XRF
MgO	1.28 MPa	By XRF

The following results are not UKAS accredited:-

L.S.F.	0.95 %
C ₃ A	5.06 %
C ₃ S	55.05 %
C ₂ S	18.77 %
C ₄ AF	12.59 %
Free Lime	1.90 %

END OF REPORT

SIGNED:



Certificate signed by:

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

J.M. Burton
Quality Manager