

PREPARED FOR TITAN CEMENT Ltd. HULL

REPORT REFERENCE	Titan	93
CLIENT REFERENCE	CHEMISTRY	2021
SHIP REFERENCE	"12-21	
SAMPLE	ORDINARY PORTLAND CEMENT	
DATE OF RECEIPT OF SAMPLE	19-Oct-21	
DATE OF TESTS	19-Oct-21	to 16-Nov-21
DATE OF REPORT	16-Nov-21	

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

IR	0.39 %	(BSEN 196-6:2010)
SO ³	2.46 %	(BSEN 196-3:2016)
LOI	2.36 %	(BSEN 196-3:2016)
K ₂ O	0.60 %	(BSEN 196-3:2016)
Na ₂ O	0.18 %	(BSEN 196-3:2016)
Na ₂ O (eq)	0.57 %	(BSEN 196-3:2016)
Chloride	0.01 %	(BSEN 196-3:2016)

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

SiO ₂	18.73 MPa	By XRF
Al ₂ O ₃	3.85 MPa	By XRF
Fe ₂ O ₃	4.19 MPa	By XRF
CaO	64.7 MPa	By XRF
MgO	0.75 MPa	By XRF

The following results are not UKAS accredited:-

L.S.F.	1.05 %
C ₃ A	3.12 %
C ₃ S	73.76 %
C ₂ S	-1.94 %
C ₄ AF	12.74 %
Free Lime	2.06 %

END OF REPORT

SIGNED:



Certificate signed by:

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

J.M. Burton
Quality Manager