

An independent testing laboratory specialising in the testing of cementitious materials

PREPARED FOR TITAN CEMENT Ltd. HULL	
REPORT REFERENCE	Titan 114
CLIENT REFERENCE	CHEMISTRY 2023
SHIP REFERENCE	"3-23"
SAMPLE	ORDINARY PORTLAND CEMENT
DATE OF RECEIPT OF SAMPLE	4-Apr-23
DATE OF TESTS	4-Apr-23 to 2-May-23
DATE OF REPORT	16-May-23

ALL RESULTS RELATE ONLY TO SAMPLE TESTED CHEMICAL COMPOSITION :- by mass, as received		
IR	0.67 %	(BSEN 196-6:2010)
SO ³	2.88 %	(BSEN 196-3:2016)
LOI	2.18 %	(BSEN 196-3:2016)
K ₂ O	0.54 %	(BSEN 196-3:2016)
Na ₂ O	0.21 %	(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	19.34 MPa	By XRF
Al ₂ O ₃	4.43 MPa	By XRF
Fe ₂ O ₃	4.07 MPa	By XRF
CaO	62.9 MPa	By XRF
MgO	1.14 MPa	By XRF

The following results are not UKAS accredited:-	
L.S.F.	0.98 %
C ₃ A	4.86 %
C ₃ S	59.61 %
C ₂ S	10.49 %
C ₄ AF	12.37 %
Free Lime	1.39 %

END OF REPORT

SIGNED:



Certificate signed by:

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

J.M. Burton
Quality Manager