

An independent testing laboratory specialising in the testing of cementitious materials

PREPARED FOR TITAN CEMENT Ltd. HULL			
REPORT REFERENCE	Titan	117	
CLIENT REFERENCE	CHEMISTRY	2023	
SHIP REFERENCE	"6-23		
SAMPLE	ORDINARY PORTLAND CEMENT		
DATE OF RECEIPT OF SAMPLE	6-Jun-23		
DATE OF TESTS	6-Jun-23	to	4-Jul-23
DATE OF REPORT	10-Jul-23		

ALL RESULTS RELATE ONLY TO SAMPLE TESTED CHEMICAL COMPOSITION :- by mass, as received			
IR	0.45	%	(BSEN 196-6:2010)
SO ³	2.89	%	(BSEN 196-3:2016)
LOI	2.26	%	(BSEN 196-3:2016)
K ₂ O	0.56	%	(BSEN 196-3:2016)
Na ₂ O	0.26	%	(BSEN 196-3:2016)
Na ₂ O (eq)	0.63	%	(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	18.27	MPa	By XRF
Al ₂ O ₃	3.80	MPa	By XRF
Fe ₂ O ₃	4.08	MPa	By XRF
CaO	63.3	MPa	By XRF
MgO	0.78	MPa	By XRF

The following results are not UKAS accredited:-			
L.S.F.	1.05	%	
C ₃ A	3.17	%	
C ₃ S	72.13	%	
C ₂ S	-2.02	%	
C ₄ AF	12.40	%	
Free Lime	1.72	%	

END OF REPORT

SIGNED:



Certificate signed by:

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

J.M. Burton
Quality Manager