

An independent testing laboratory specialising in the testing of cementitious materials

PREPARED FOR TITAN CEMENT Ltd. HULL

REPORT REFERENCE	Titan	116
CLIENT REFERENCE	CHEMISTRY	2023
SHIP REFERENCE	"5-23	
SAMPLE	ORDINARY PORTLAND CEMENT	
DATE OF RECEIPT OF SAMPLE	2-Jun-23	
DATE OF TESTS	2-Jun-23	to 30-Jun-23
DATE OF REPORT	4-Jul-23	

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

IR	0.50 %	(BSEN 196-6:2010)
SO ³	2.80 %	(BSEN 196-3:2016)
LOI	3.26 %	(BSEN 196-3:2016)
K ₂ O	0.53 %	(BSEN 196-3:2016)
Na ₂ O	0.21 %	(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	18.79 MPa	By XRF
Al ₂ O ₃	4.18 MPa	By XRF
Fe ₂ O ₃	4.11 MPa	By XRF
CaO	62.9 MPa	By XRF
MgO	0.89 MPa	By XRF

The following results are not UKAS accredited:-

L.S.F.	1.01 %
C ₃ A	4.13 %
C ₃ S	65.03 %
C ₂ S	4.83 %
C ₄ AF	12.49 %
Free Lime	1.57 %

END OF REPORT

SIGNED:



Certificate signed by:

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

J.M. Burton
Quality Manager