

An independent testing laboratory specialising in the testing of cementitious materials

PREPARED FOR TITAN CEMENT Ltd. HULL

REPORT REFERENCE	Titan	133
CLIENT REFERENCE	CHEMISTRY	2024
SHIP REFERENCE	"9-24	
SAMPLE	ORDINARY PORTLAND CEMENT	
DATE OF RECEIPT OF SAMPLE	7-Nov-24	
DATE OF TESTS	7-Nov-24	to 5-Dec-24
DATE OF REPORT	5-Dec-24	

ALL RESULTS ARE BASED ON SAMPLE RECEIVED FROM THE CLIENT: TESTED AS RECEIVED.

CHEMICAL COMPOSITION :- by mass, as received

IR	0.41 %	(BSEN 196-6:2010)
SO ³	2.75 %	(BSEN 196-3:2016)
LOI	2.78 %	(BSEN 196-3:2016)
K ₂ O	0.50 %	(BSEN 196-3:2016)
Na ₂ O	0.25 %	(BSEN 196-3:2016)
Na ₂ O (eq)	0.58 %	(BSEN 196-3:2016)
Chloride	0.03 %	(BSEN 196-3:2016)

The following results are determined by XRF by an outside accredited laboratory.

SiO ₂	20.61	By XRF
Al ₂ O ₃	4.13	By XRF
Fe ₂ O ₃	4.08	By XRF
CaO	63.1	By XRF
MgO	3.11	By XRF

The following results are not UKAS accredited:-

L.S.F.	0.94 %
C ₃ A	4.05 %
C ₃ S	52.41 %
C ₂ S	19.56 %
C ₄ AF	12.40 %
Free Lime	1.59 %

END OF REPORT

SIGNED:



Certificate signed by:

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

J.M. Burton

Quality Manager