



An independent testing laboratory specialising in the testing of cementitious materials

PREPARED FOR TITAN CEMENT Ltd. HULL	
REPORT REFERENCE	Titan 132
CLIENT REFERENCE	CHEMISTRY 2024
SHIP REFERENCE	"8-24
SAMPLE	ORDINARY PORTLAND CEMENT
DATE OF RECEIPT OF SAMPLE	10-Oct-24
DATE OF TESTS	10-Oct-24 to 7-Nov-24
DATE OF REPORT	13-Nov-24

ALL RESULTS ARE BASED ON SAMPLE RECEIVED FROM THE CLIENT: TESTED AS RECEIVED.
CHEMICAL COMPOSITION :- by mass, as received

IR	0.79 %	(BSEN 196-6:2010)
SO ³	2.67 %	(BSEN 196-3:2016)
LOI	2.65 %	(BSEN 196-3:2016)
K ₂ O	0.49 %	(BSEN 196-3:2016)
Na ₂ O	0.20 %	(BSEN 196-3:2016)
Na ₂ O (eq)	0.52 %	(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	20.69	By XRF
Al ₂ O ₃	4.23	By XRF
Fe ₂ O ₃	4.02	By XRF
CaO	63.8	By XRF
MgO	2.69	By XRF

The following results are not UKAS accredited:-

L.S.F.	0.94 %
C ₃ A	4.42 %
C ₃ S	54.01 %
C ₂ S	18.59 %
C ₄ AF	12.22 %
Free Lime	1.64 %

END OF REPORT

SIGNED:

Certificate signed by:

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

J.M. Burton
Quality Manager