

An independent testing laboratory specialising in the testing of cementitious materials

PREPARED FOR TITAN CEMENT Ltd. HULL

REPORT REFERENCE	Titan	122
CLIENT REFERENCE	CHEMISTRY	2023
SHIP REFERENCE	"11-23	
SAMPLE	ORDINARY PORTLAND CEMENT	
DATE OF RECEIPT OF SAMPLE	24-Oct-23	
DATE OF TESTS	24-Oct-23	to 21-Nov-23
DATE OF REPORT	21-Nov-23	

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

IR	0.28 %	(BSEN 196-6:2010)
SO ³	3.12 %	(BSEN 196-3:2016)
LOI	2.62 %	(BSEN 196-3:2016)
K ₂ O	0.52 %	(BSEN 196-3:2016)
Na ₂ O	0.22 %	(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 determined by XRF by an outside accredited laboratory.

SiO ₂	20.01 MPa	By XRF
Al ₂ O ₃	4.39 MPa	By XRF
Fe ₂ O ₃	3.78 MPa	By XRF
CaO	63.2 MPa	By XRF
MgO	1.42 MPa	By XRF

The following results are not UKAS accredited:-

L.S.F.	0.96 %
C ₃ A	5.25 %
C ₃ S	52.20 %
C ₂ S	18.00 %
C ₄ AF	11.49 %
Free Lime	2.26 %

END OF REPORT

SIGNED:



Certificate signed by:

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

J.M. Burton
Quality Manager