

An independent testing laboratory specialising in the testing of cementitious materials

PREPARED FOR TITAN CEMENT Ltd. HULL	
REPORT REFERENCE	Titan 128
CLIENT REFERENCE	CHEMISTRY 2024
SHIP REFERENCE	"4-24
SAMPLE	ORDINARY PORTLAND CEMENT
DATE OF RECEIPT OF SAMPLE	15-May-24
DATE OF TESTS	15-May-24 to 12-Jun-24
DATE OF REPORT	19-Jun-24

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

CHEMICAL COMPOSITION :- by mass, as received

IR	0.18 %	(BSEN 196-6:2010)
SO <sup>3</sup>	3.13 %	(BSEN 196-3:2016)
LOI	2.90 %	(BSEN 196-3:2016)
K <sub>2</sub> O	0.49 %	(BSEN 196-3:2016)
Na <sub>2</sub> O	0.26 %	(BSEN 196-3:2016)
Na <sub>2</sub> O (eq)	0.58 %	(BSEN 196-3:2016)
Chloride	0.04 %	(BSEN 196-3:2016)

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

SiO <sub>2</sub>	20.24	By XRF
Al <sub>2</sub> O <sub>3</sub>	3.55	By XRF
Fe <sub>2</sub> O <sub>3</sub>	4.13	By XRF
CaO	63.1	By XRF
MgO	2.48	By XRF

The following results are not UKAS accredited:-

L.S.F.	0.96 %
C <sub>3</sub> A	2.43 %
C <sub>3</sub> S	57.68 %
C <sub>2</sub> S	14.53 %
C <sub>4</sub> AF	12.56 %
Free Lime	1.63 %

END OF REPORT

SIGNED:



Certificate signed by:

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

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Quality Manager