

An independent testing laboratory specialising in the testing of cementitious materials

## PREPARED FOR TITAN CEMENT Ltd. HULL

REPORT REFERENCE	Titan	126
CLIENT REFERENCE	CHEMISTRY	2024
SHIP REFERENCE	"3-24	
SAMPLE	ORDINARY PORTLAND CEMENT	
DATE OF RECEIPT OF SAMPLE	16-Apr-24	
DATE OF TESTS	16-Apr-24	to 14-May-24
DATE OF REPORT	14-May-24	

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

CHEMICAL COMPOSITION :- by mass, as received

IR	0.13 %	(BSEN 196-6:2010)
SO <sup>3</sup>	3.03 %	(BSEN 196-3:2016)
LOI	2.70 %	(BSEN 196-3:2016)
K <sub>2</sub> O	0.73 %	(BSEN 196-3:2016)
Na <sub>2</sub> O	0.26 %	(BSEN 196-3:2016)
Na <sub>2</sub> O (eq)	0.74 %	(BSEN 196-3:2016)
Chloride	0.03 %	(BSEN 196-3:2016)

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

SiO <sub>2</sub>	20.35	By XRF
Al <sub>2</sub> O <sub>3</sub>	3.68	By XRF
Fe <sub>2</sub> O <sub>3</sub>	4.21	By XRF
CaO	64.4	By XRF
MgO	2.63	By XRF

The following results are not UKAS accredited:-

L.S.F.	0.97 %
C <sub>3</sub> A	2.64 %
C <sub>3</sub> S	61.39 %
C <sub>2</sub> S	12.04 %
C <sub>4</sub> AF	12.80 %
Free Lime	1.64 %

END OF REPORT

SIGNED:



Certificate signed by:

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Technical Manager

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