

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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1175

TEST REPORT

Client :- TITAN CEMENT LTD. HULL
Report reference :- CHEMISTRY 87
Ship reference :- "5-21
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 28-Apr-21
Date of tests :- 28-Apr-21 to 26/05/2021

All results are based on sample received from the client

CHEMICAL COMPOSITION:- % by mass, as received

IR	0.66 (BSEN 196-2:2013)
SO ₃	2.58 (BSEN 196-2:2013)
LOI	2.19 (BSEN 196-2:2013)
K ₂ O	0.54 (BSEN 196-2:2013)
Na ₂ O	0.22 (BSEN 196-2:2013)
Na ₂ O(eq)	0.58 (BSEN 196-2:2013)
Chloride	0.01 (BSEN 196-2:2013)

The results determined by XRF analysis are not covered by the laboratories accreditation.

SiO ₂	21.64 by XRF
Al ₂ O ₃	5.36 by XRF
Fe ₂ O ₃	4.21 by XRF
CaO	64.6 by XRF
MgO	1.37 by XRF

The following results are not UKAS accredited:-

L.S.F.	0.90
C ₃ A	7.09
C ₃ S	40.85
C ₂ S	31.23
C ₄ AF	12.80
Free Lime	2.06

A handwritten signature in black ink, appearing to be 'S. Burton'.

End of Report

Signed.....

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Date 27/05/2021

J.M. Burton

Quality Manager

S. Burton

Technical Manager