

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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1175

TEST REPORT

Client :- TITAN CEMENT LTD. HULL
Report reference :- CHEMISTRY 76
Ship reference :- "6-20
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 28-Jul-20
Date of tests :- 28-Jul-20 to 25/08/2020

All results are based on sample received from the client

CHEMICAL COMPOSITION:- % by mass, as received

IR	0.37 (BSEN 196-2:2013)
SO ₃	3.38 (BSEN 196-2:2013)
LOI	1.94 (BSEN 196-2:2013)
K ₂ O	0.56 (BSEN 196-2:2013)
Na ₂ O	0.14 (BSEN 196-2:2013)
Na ₂ O(eq)	0.51 (BSEN 196-2:2013)
Chloride	0.07 (BSEN 196-2:2013)

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

SiO ₂	19.54 by XRF
Al ₂ O ₃	4.84 by XRF
Fe ₂ O ₃	3.12 by XRF
CaO	63.3 by XRF
MgO	3.1 by XRF

The following results are not UKAS accredited:-

L.S.F.	0.97
C ₃ A	7.55
C ₃ S	55.96
C ₂ S	13.82
C ₄ AF	9.48
Free Lime	1.58

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

End of Report

Signed.....

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Date 11/09/2020

J.M. Burton

Quality Manager

S. Burton

Technical Manager