

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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1175

TEST REPORT

Client :- TITAN CEMENT LTD. HULL
Report reference :- CHEMISTRY 73
Ship reference :- "3-20
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 06-May-20
Date of tests :- 06-May-20 to 03/06/2020

All results are based on sample received from the client

CHEMICAL COMPOSITION:- % by mass, as received

IR	0.27 (BSEN 196-2:2013)
SO ₃	3.46 (BSEN 196-2:2013)
LOI	2.24 (BSEN 196-2:2013)
K ₂ O	0.60 (BSEN 196-2:2013)
Na ₂ O	0.15 (BSEN 196-2:2013)
Na ₂ O(eq)	0.54 (BSEN 196-2:2013)
Chloride	0.03 (BSEN 196-2:2013)

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

SiO ₂	19.00 by XRF
Al ₂ O ₃	4.38 by XRF
Fe ₂ O ₃	3.43 by XRF
CaO	63.2 by XRF
MgO	2.31 by XRF

The following results are not UKAS accredited:-

L.S.F.	1.00
C ₃ A	5.81
C ₃ S	63.58
C ₂ S	6.52
C ₄ AF	10.43
Free Lime	1.29

End of Report

Signed.....

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Date 03/06/2020

J.M. Burton

Quality Manager

S. Burton

Technical Manager