

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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1175

TEST REPORT

Client :- TITAN CEMENT LTD. HULL
Report reference :- CHEMISTRY 75
Ship reference :- "5-20
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 21-Jul-20
Date of tests :- 21-Jul-20 to 18/08/2020

All results are based on sample received from the client

CHEMICAL COMPOSITION:- % by mass, as received

IR	0.30 (BSEN 196-2:2013)
SO ₃	3.36 (BSEN 196-2:2013)
LOI	1.69 (BSEN 196-2:2013)
K ₂ O	0.61 (BSEN 196-2:2013)
Na ₂ O	0.15 (BSEN 196-2:2013)
Na ₂ O(eq)	0.55 (BSEN 196-2:2013)
Chloride	0.09 (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	4.34 by XRF
Fe ₂ O ₃	3.18 by XRF
CaO	63.3 by XRF
MgO	2.49 by XRF

The following results are not UKAS accredited:-

L.S.F.	1.01
C ₃ A	6.13
C ₃ S	64.08
C ₂ S	6.14
C ₄ AF	9.67
Free Lime	1.45

End of Report

Signed.....

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Date 18/08/2020

J.M. Burton

Quality Manager

S. Burton

Technical Manager