

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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1175

TEST REPORT

Client :- TITAN CEMENT LTD. HULL
Report reference :- CHEMISTRY 79
Ship reference :- "9-20
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 20-Oct-20
Date of tests :- 20-Oct-20 to 17/11/2020

All results are based on sample received from the client

CHEMICAL COMPOSITION:- % by mass, as received

IR	0.74 (BSEN 196-2:2013)
SO ₃	3.24 (BSEN 196-2:2013)
LOI	1.75 (BSEN 196-2:2013)
K ₂ O	0.66 (BSEN 196-2:2013)
Na ₂ O	0.14 (BSEN 196-2:2013)
Na ₂ O(eq)	0.57 (BSEN 196-2:2013)
Chloride	0.06 (BSEN 196-2:2013)

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

SiO ₂	20.89 by XRF
Al ₂ O ₃	5.39 by XRF
Fe ₂ O ₃	3.24 by XRF
CaO	64.3 by XRF
MgO	2.81 by XRF

The following results are not UKAS accredited:-

L.S.F.	0.93
C ₃ A	8.81
C ₃ S	47.81
C ₂ S	23.84
C ₄ AF	9.85
Free Lime	1.27

End of Report

Signed.....

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Date 17/11/2020

J.M. Burton

Quality Manager

S. Burton

Technical Manager