

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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1175

TEST REPORT

Client :- TITAN CEMENT LTD. HULL
Report reference :- CHEMISTRY 66
Ship reference :- "10-19
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 17-Sep-19
Date of tests :- 17-Sep-19 to 15/10/2019

All results are based on sample received from the client

CHEMICAL COMPOSITION:- % by mass, as received

IR	0.32 (BSEN 196-2:2013)
SO ₃	2.53 (BSEN 196-2:2013)
LOI	2.89 (BSEN 196-2:2013)
K ₂ O	0.57 (BSEN 196-2:2013)
Na ₂ O	0.14 (BSEN 196-2:2013)
Na ₂ O(eq)	0.52 (BSEN 196-2:2013)
Chloride	0.02 (BSEN 196-2:2013)

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

SiO ₂	20.37 by XRF
Al ₂ O ₃	4.89 by XRF
Fe ₂ O ₃	4.05 by XRF
CaO	64.0 by XRF
MgO	1.1 by XRF

The following results are not UKAS accredited:-

L.S.F.	0.95
C ₃ A	6.11
C ₃ S	53.79
C ₂ S	17.84
C ₄ AF	12.31
Free Lime	1.45

End of Report

Signed.....

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Date 15/10/2019

J.M. Burton

Quality Manager

S. Burton

Technical Manager