

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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1175

TEST REPORT

Client :- TITAN CEMENT LTD. HULL
Report reference :- CHEMISTRY 40
Ship reference :- "4-17
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 12-Apr-17
Date of tests :- 12-Apr-17 to 10/05/2017

CHEMICAL COMPOSITION:- % by mass, as received

IR	0.36 (BSEN 196-2:2013)
SO ₃	2.21 (BSEN 196-2:2013)
LOI	2.58 (BSEN 196-2:2013)
K ₂ O	0.52 (BSEN 196-2:2013)
Na ₂ O	0.12 (BSEN 196-2:2013)
Na ₂ O(eq)	0.46 (BSEN 196-2:2013)
Chloride	0.01 (BSEN 196-2:2013)

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

SiO ₂	20.32 by XRF
Al ₂ O ₃	3.94 by XRF
Fe ₂ O ₃	3.81 by XRF
CaO	64.11 by XRF
MgO	0.97 by XRF

The following results are not UKAS accredited:-

L.S.F.	0.98
C ₃ A	4.00
C ₃ S	64.08
C ₂ S	9.93
C ₄ AF	11.58
Free Lime	1.04

End of Report

Signed.....

Page 1 of 3

Date 10/05/2017

J.M. Burton

Quality Manager

S. Burton

Technical Manager