

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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1175

TEST REPORT

Client :- TITAN CEMENT LTD. HULL
Report reference :- CHEMISTRY 77
Ship reference :- "7-20
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 08-Sep-20
Date of tests :- 08-Sep-20 to 06/10/2020

All results are based on sample received from the client

CHEMICAL COMPOSITION:- % by mass, as received

IR	0.44 (BSEN 196-2:2013)
SO ₃	3.51 (BSEN 196-2:2013)
LOI	2.35 (BSEN 196-2:2013)
K ₂ O	0.59 (BSEN 196-2:2013)
Na ₂ O	0.18 (BSEN 196-2:2013)
Na ₂ O(eq)	0.57 (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	19.33 by XRF
Al ₂ O ₃	4.52 by XRF
Fe ₂ O ₃	3.24 by XRF
CaO	64.0 by XRF
MgO	2.5 by XRF

The following results are not UKAS accredited:-

L.S.F.	1.00
C ₃ A	6.50
C ₃ S	61.76
C ₂ S	8.84
C ₄ AF	9.85
Free Lime	1.72

A handwritten signature in black ink, appearing to read 'S. Burton'.

End of Report

Signed.....

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Date 21/10/2020

J.M. Burton

Quality Manager

S. Burton

Technical Manager