

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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1175

TEST REPORT

Client :- TITAN CEMENT LTD. HULL
Report reference :- CHEMISTRY 78
Ship reference :- "8-20
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 22-Sep-20
Date of tests :- 22-Sep-20 to 20/10/2020

All results are based on sample received from the client

CHEMICAL COMPOSITION:- % by mass, as received

IR	0.35 (BSEN 196-2:2013)
SO ₃	3.36 (BSEN 196-2:2013)
LOI	3.11 (BSEN 196-2:2013)
K ₂ O	0.63 (BSEN 196-2:2013)
Na ₂ O	0.15 (BSEN 196-2:2013)
Na ₂ O(eq)	0.56 (BSEN 196-2:2013)
Chloride	0.08 (BSEN 196-2:2013)

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

SiO ₂	20.65 by XRF
Al ₂ O ₃	4.13 by XRF
Fe ₂ O ₃	3.13 by XRF
CaO	63.2 by XRF
MgO	2.31 by XRF

The following results are not UKAS accredited:-

L.S.F.	0.94
C ₃ A	5.65
C ₃ S	52.21
C ₂ S	19.83
C ₄ AF	9.52
Free Lime	1.58

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

End of Report

Signed.....

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Date 20/10/2020

J.M. Burton

Quality Manager

S. Burton

Technical Manager