

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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1175

TEST REPORT

Client :- TITAN CEMENT LTD. HULL
Report reference :- CHEMISTRY 84
Ship reference :- "2-21
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 17-Feb-21
Date of tests :- 17-Feb-21 to 17/03/2021

All results are based on sample received from the client

CHEMICAL COMPOSITION:- % by mass, as received

IR	0.28 (BSEN 196-2:2013)
SO ₃	2.54 (BSEN 196-2:2013)
LOI	2.27 (BSEN 196-2:2013)
K ₂ O	0.56 (BSEN 196-2:2013)
Na ₂ O	0.16 (BSEN 196-2:2013)
Na ₂ O(eq)	0.53 (BSEN 196-2:2013)
Chloride	0.03 (BSEN 196-2:2013)

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

SiO ₂	19.42 by XRF
Al ₂ O ₃	4.27 by XRF
Fe ₂ O ₃	4.1 by XRF
CaO	63.5 by XRF
MgO	1.09 by XRF

The following results are not UKAS accredited:-

L.S.F.	0.99
C ₃ A	4.39
C ₃ S	62.67
C ₂ S	8.41
C ₄ AF	12.46
Free Lime	1.55

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

End of Report

Signed.....

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Date 24/03/2021

J.M. Burton

Quality Manager

S. Burton

Technical Manager