

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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1175

TEST REPORT

Client :- TITAN CEMENT LTD. HULL
Report reference :- CHEMISTRY 85
Ship reference :- "3-21
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 23-Feb-21
Date of tests :- 24-Feb-21 to 24/03/2021

All results are based on sample received from the client

CHEMICAL COMPOSITION:- % by mass, as received

IR	0.59 (BSEN 196-2:2013)
SO ₃	2.85 (BSEN 196-2:2013)
LOI	2.14 (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	0.02 (BSEN 196-2:2013)

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

SiO ₂	18.98 by XRF
Al ₂ O ₃	3.84 by XRF
Fe ₂ O ₃	4.26 by XRF
CaO	64.1 by XRF
MgO	0.85 by XRF

The following results are not UKAS accredited:-

L.S.F.	1.03
C ₃ A	2.98
C ₃ S	70.03
C ₂ S	1.60
C ₄ AF	12.95
Free Lime	1.63

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

End of Report

Signed.....

Page 1 of 3

Date 24/03/2021

J.M. Burton

Quality Manager

S. Burton

Technical Manager