

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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1175

TEST REPORT

Client :- TITAN CEMENT LTD. HULL
Report reference :- CHEMISTRY 90
Ship reference :- "9-21
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 03-Aug-21
Date of tests :- 03-Aug-21 to 31/08/2021

All results are based on sample received from the client

CHEMICAL COMPOSITION:- % by mass, as received

IR	0.76 (BSEN 196-2:2013)
SO ₃	2.95 (BSEN 196-2:2013)
LOI	2.25 (BSEN 196-2:2013)
K ₂ O	0.57 (BSEN 196-2:2013)
Na ₂ O	0.22 (BSEN 196-2:2013)
Na ₂ O(eq)	0.60 (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	19.07 by XRF
Al ₂ O ₃	3.82 by XRF
Fe ₂ O ₃	4.14 by XRF
CaO	64.4 by XRF
MgO	0.82 by XRF

The following results are not UKAS accredited:-

L.S.F.	1.03
C ₃ A	3.13
C ₃ S	71.16
C ₂ S	1.01
C ₄ AF	12.59
Free Lime	1.53

End of Report

Signed.....

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Date 01/09/2021

J.M. Burton

Quality Manager

S. Burton

Technical Manager