

KIRTON CONCRETE SERVICES LTD

INDEPENDENT TESTING LABORATORY

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1175

TEST REPORT

Client :- TITAN CEMENT LTD. HULL
Report reference :- CHEMISTRY 89
Ship reference :- "7-21
Sample :- ORDINARY PORTLAND CEMENT
Sand :- FRENCH
Date received :- 02-Jun-21
Date of tests :- 02-Jun-21 to 30/06/2021

All results are based on sample received from the client

CHEMICAL COMPOSITION:- % by mass, as received

IR	0.61 (BSEN 196-2:2013)
SO ₃	2.59 (BSEN 196-2:2013)
LOI	2.38 (BSEN 196-2:2013)
K ₂ O	0.56 (BSEN 196-2:2013)
Na ₂ O	0.17 (BSEN 196-2:2013)
Na ₂ O(eq)	0.54 (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	19.44 by XRF
Al ₂ O ₃	4.06 by XRF
Fe ₂ O ₃	4.22 by XRF
CaO	64.5 by XRF
MgO	0.85 by XRF

The following results are not UKAS accredited:-

L.S.F.	1.01
C ₃ A	3.63
C ₃ S	66.95
C ₂ S	5.24
C ₄ AF	12.83
Free Lime	1.74

End of Report

Signed.....

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Date 30/06/2021

J.M. Burton

Quality Manager

S. Burton

Technical Manager