

# KIRTON CONCRETE SERVICES LTD

## INDEPENDENT TESTING LABORATORY

MANOR HOUSE, STATION ROAD, HIBALDSTOW, BRIGG. DN20 9EB

TEL: 01652 656931 EMAIL: [KIRTONLAB@AOL.COM](mailto:KIRTONLAB@AOL.COM)



1175

### TEST REPORT

Client :- TITAN CEMENT LTD. HULL  
Report reference :- CHEMISTRY 80  
Ship reference :- "10-20  
Sample :- ORDINARY PORTLAND CEMENT  
Sand :- FRENCH  
Date received :- 27-Oct-20  
Date of tests :- 27-Oct-20 to 24/11/2020

All results are based on sample received from the client

CHEMICAL COMPOSITION:- % by mass, as received

IR	0.62 (BSEN 196-2:2013)
SO <sub>3</sub>	3.45 (BSEN 196-2:2013)
LOI	1.41 (BSEN 196-2:2013)
K <sub>2</sub> O	0.66 (BSEN 196-2:2013)
Na <sub>2</sub> O	0.13 (BSEN 196-2:2013)
Na <sub>2</sub> O(eq)	0.56 (BSEN 196-2:2013)
Chloride	0.07 (BSEN 196-2:2013)

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

SiO <sub>2</sub>	19.30 by XRF
Al <sub>2</sub> O <sub>3</sub>	4.29 by XRF
Fe <sub>2</sub> O <sub>3</sub>	3.19 by XRF
CaO	63.9 by XRF
MgO	2.39 by XRF

The following results are not UKAS accredited:-

L.S.F.	1.00
C <sub>3</sub> A	5.98
C <sub>3</sub> S	64.80
C <sub>2</sub> S	6.46
C <sub>4</sub> AF	9.70
Free Lime	1.35

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

End of Report

Signed.....

Page 1 of 3

Date 26/11/2020

J.M. Burton

Quality Manager

S. Burton

Technical Manager