

Test Certificate

To : Castle Claysales
 Units 15 & 15a
 Britannia Park Industrial Estate
 North Road
 Stoke on Trent
 Staffs ST6 2PZ

Report No. T14316F11

F.A.O : C.Rhodes

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ANALYSIS

Order No.	#Name?
Sample No.	T14316F11
Sample Description	TRIAL
Seam	SHALE
Area	n/a
Site	n/a
Ex Cut	TOP - SOIL HILL
Ex Stock	
Depth	
Sampled By	CR/CW
Delivered to Lab	16/06/2011
Date Fired	
Firing Temp	1060 °
Ramp Time	150 ° C/hr
Soak Time	5 hrs
Wet to Dry Shrinkage	2.6 %
Dry to Fired Shrinkag	4.5 %
Total Shrinkage	7.1 %
Water Absorption	NA %

Sample	Fired (%)	Raw (%)
Na ₂ O	0.13	0.12
MgO	3.46	3.11
Al ₂ O ₃	25.56	22.97
SiO ₂	60.93	54.75
P ₂ O ₅	0.19	0.17
K ₂ O	1.96	1.76
CaO	0.05	0.04
TiO ₂	1.02	0.92
Cr ₂ O ₃	0.02	0.02
MnO ₂	0.04	0.04
Fe ₂ O ₃	6.65	5.98
LOI	10.15	10.15
CARBON (%)		0.69
SULPHUR (%)		0.01

LAB COMMENTS

#Name?

TEST FOR CARBONATES USING DILUTE HCL

REACTION

Signed :

T. S. Bridge / J Evans / J Hewitt / P Neale / A Shewin

te : 20 June 2011

Authorised Signatories

The results reported refer only to the sample tested. No responsibility is accepted for the representative nature of the sample unless it is obtained under our supervision. This report must not be reproduced in part without the written permission of Claysales Laboratories Ltd, nor used in any other way as to lead to the misrepresentation of the results.