



LABORATORY TEST CERTIFICATE
BS 4551 : 2005 : A2:2013

Project :	Wiswell	Job No:	n/a
Client :	RHS Developments	Lab Ref No:	SA33029
		Date Received:	13/09/2018
		Date Tested:	21/09/2018
		Date Reported:	21/09/2018
Originator:	Scott Stephenson	Material:	Mortar

RESULTS

Sample Reference	1
Soluble silica % w/w (uncorrected):	1.06
CaO % w/w (uncorrected):	19.55
Cement ex Silica % w/w:	5.25
Cement ex CaO % w/w:	30.31
CEMENT CONTENT % w/w:	5.3
Excess Lime % w/w:	21.1
Sand % w/w:	61.3
Cement:lime:sand ratio (by volume) :	(5)
Mortar Designation:	(5)

Notes on Cement Content Analysis to BS 4551

- Where the cement content calculated by the lime method is in excess of that by the soluble silica method, the excess has been calculated as lime. The cement & lime analysis may be compared with Tables 4 to 7 of BS4551 : 2005
- The cement is assumed to be ordinary Portland Cement with SiO₂ content of 20.2% and CaO of 64.5% (BS1881 : Part 124 : 1998 : Appendix B).
- No corrections were made for the soluble silica and calcium oxide contents of the aggregates
- The results are reported for the dry sample.
- Does not fit into any category in Tables 4 to 7.

K. Monks

Approved Signature

James Fisher Testing Services Ltd

■ Karl Monks, Lab Team Leader

