



Carbonate Content Determination of Slate Samples

for

Bellvue UK Limited

Date:	7th March 2008
File Reference Number:	SSMS1678/R1
Your Reference Number:	
Document Reference Number:	M0153R1

Carbonate Content Determination of Slate Samples

for

Bellvue UK Limited

Prepared and Approved by:	A Ali Msc
Title:	Senior Materials Engineer
Signature:	
Prepared for:	Bellvue UK Limited
Address:	Wood Farm Waresley Nr Sandy SG19 3DA For the attention of Ryan Mear
Date:	7th March 2008
File Reference Number:	SSMS1678/R1
Your Reference Number:	
Document Reference Number:	M0153R1

Contents

	Page
Introduction	4
Sample Details	4
Details of Testing	4
Test Results	5
Requirements of BS EN 12326-1 : 2004	5
Non-Carbonate Carbon Content	5
Calcium Carbonate Content	5
Comment on Results	5
Quality Statement	6

Introduction

In accordance with your instructions of Mr Ryan Mear of Bellvue UK Limited, we have conducted analysis of slate samples for determination of non carbonate carbon and calcium carbonate content.

This report describes the method of analysis and presents the results.

Sample Details

Three slate samples were received from yourselves on 22nd February 2008. The samples were described in the laboratory as follows:-

Sample Reference		Description
Ours	Yours	
EE 6581	1	Three dark slate specimens each of approximately 500 x 250 x 5mm
EE 6582	2	Three dark slate specimens each of approximately 500 x 250 x 5.5mm
EE 6583	3	Three dark slate specimens each of approximately 500 x 250 x 5mm

Details of Testing

A small section was cut from each of the slate specimens. This was ground to 100 μ m size and then analysed in accordance with sections 13.1 and 14.1 of BS EN 12326-2 : 2001 for determination of non-carbonate carbon content and calcium carbonate content.

Test Results

The results of analyses are given in Table 1 below.

Table 1 Results of Analyses

Sample Reference	Non-Carbonate Carbon Content	Calcium Carbonate Content
	%	%
EE 6581	0.7	3.3
EE 6582	0.7	5.9
EE 6583	0.8	2.4

Requirements of BS EN 12326-1 : 2004

Non-Carbonate Carbon Content

When tested to Clause 13 of BS EN 12326-2 : 2000, the non carbonate carbon content of the slate shall be less than 2%.

Calcium Carbonate Content

When tested to Clause 14 of BS EN 12326-2 : 2000 the calcium carbonate content shall be no higher than the upper limit declared by the manufacturer.

Comment on Results

The results indicate that the samples meet the requirement of BS EN 12326-1 : 2004 for the non-carbonate carbon content.

Quality Statement

We confirm that in preparing this report we have exercised all reasonable skill and care.

Any information relating to the sample received for testing has been supplied by the client unless otherwise specified.

This report does not provide 'product approval' status but shows only the results of the material or sample tested.

Copyright and Intellectual Property Rights

Unless specifically assigned or transferred within the terms of the agreement, the Consultant asserts and retains all Copyright, and other Intellectual Property Rights, in and over the report and its contents.