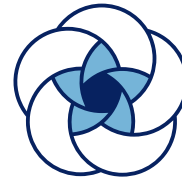


TEST REPORT

Lightwater Quarries Ltd
Potgate Quarry
North Stainley
Ripon
HG4 3JN



White
Rose
Laboratory
Services
Ltd

Lumley St • Castleford • WF10 5LB
01977 520625 • enquiries@whiteroselabs.co.uk

Report WRL/17/2970
Issue date 01/02/18

Material	10/20mm Limestone	Sample N°	S/17/2970
Site	Potgate Quarry	Sampled by	ST / LR
Specification		Date sampled	11/12/17
Source	Potgate	Date received	11/12/17
Supplier	Lightwater Quarries	Date tested	18/01/18
Sample location	End of belt	Date reported	20/01/18
Sample type	Bulk		
Order number	8815LQ		

Subcontract Testing

Please find attached results of the following subcontracted testing

WSS BS EN 1744-1 (Celtest)
Chloride Content BS EN 1744-1 (Celtest)

M Randerson
Laboratory Services Director

White Rose Laboratory Services Ltd
Lumley Street
Castleford
West Yorkshire
WF10 5LB

Date: 22 January 2018
Test Report Ref: STR 572504

Order No: ORD/17/356

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LABORATORY TEST REPORT

TEST REQUIREMENTS:

To determine the Water Soluble Sulfate of Natural and Manufactured Aggregate in accordance with **BS EN 1744-1 : 2009 + A1 : 2012 : Clause 10.1**

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S70388
Client Ref. No:	17/2970
Date and Time of Sampling:	11/12/2017
Date of Receipt at Lab:	03/01/2018
Date of Start of Test:	18/01/2018
Sampling Location:	End of belt
Name of Source:	Lightwater Quarries - Potgate
Method of Sampling:	Unknown
Sampled By:	Client
Material Description:	10/20mm
Target Specification:	N/A

RESULTS:

	Result	<i>95% Confidence limit*</i>
Water Soluble Sulfate Content (SO₃) (%) =	<0.01	<i><0.007% - <0.013%</i>
Water Soluble Sulfate Content (SO₄) (%) =	<0.01	<i><0.007% - <0.013%</i>

Comments / Departure from specified Procedure

*95% Confidence limit is the expanded uncertainty which is the combined uncertainty standard multiplied by a factor (k) of 2

Report checked and approved by:



Euros Jones
Soils Team Manager

White Rose Laboratory Services Ltd
Lumley Street
Castleford
West Yorkshire
WF10 5LB

Date: 19 January 2018
Test Report Ref: STR 572505

Order No: ORD/17/356

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LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Water Soluble Chloride salt content in an aggregate sample in accordance with
BS EN 1744-1 : 2009 + A1 : 2012 : Clause 7 (Volhard method)

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S70388
Client Ref. No:	17/2970
Date and Time of Sampling:	11/12/2017
Date of Receipt at Lab:	03/01/2018
Date of Start of Test:	18/01/2018
Sampling Location:	End of belt
Name of Source:	Lightwater Quarries - Potgate
Method of Sampling:	Unknown
Sampled By:	Client
Material Description:	10/20mm
Target Specification:	N/A

RESULTS:

Chloride Content of aggregate (C) (%) = <0.001 (nearest 0.001)
*95% Confidence limit** <0.0008% - <0.0012%

Comments

*95% Confidence limit is the expanded uncertainty which is the combined uncertainty standard multiplied by a factor (k) of 2

Report checked and approved by:



Euros Jones
Soils Team Manager