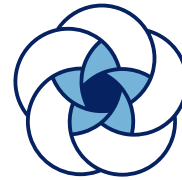


# TEST REPORT

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/17/2973  
Issue date 01/02/18

Material	Grit Sand	Sample N°	S/17/2973
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 572507

Order No: ORD/17/356

Page 1 of 1

**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:	17/2973
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:	Grit Sand
Target Specification:	N/A

**RESULTS:**

	Result	95% Confidence limit*
Water Soluble Sulfate Content (SO <sub>3</sub> ) (%) =	<0.01	<0.007% - <0.013%
Water Soluble Sulfate Content (SO <sub>4</sub> ) (%) =	<0.01	<0.007% - <0.013%

**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 572508

Order No: ORD/17/356

Page 1 of 1

**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:	<b>No</b>
Laboratory Ref. No:	<b>S70388</b>
Client Ref. No:	<b>17/2973</b>
Date and Time of Sampling:	<b>11/12/2017</b>
Date of Receipt at Lab:	<b>03/01/2018</b>
Date of Start of Test:	<b>18/01/2018</b>
Sampling Location:	<b>End of belt</b>
Name of Source:	<b>Lightwater Quarries - Potgate</b>
Method of Sampling:	<b>Unknown</b>
Sampled By:	<b>Client</b>
Material Description:	<b>Grit Sand</b>
Target Specification:	<b>N/A</b>

**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