

Stratus Environmental Limited  
4245 Park Approach  
Thorpe Park  
Leeds

Date: 23 November 2015  
Test Report Ref: STR 439585

LS15 8GB

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Contract: Hafod Landfill - Cell 4 Phase 1

**LABORATORY TEST REPORT**

**TEST REQUIREMENTS:** To determine the Ten Per Cent Fines Value (TFV) of aggregate sample 10mm and greater in accordance with **BS 812: Part 111: 1990.**

**SAMPLE DETAILS:**

Certificate of sampling received:	No
Laboratory Ref. No:	S55488
Client Ref. No:	LSTONE1
Date and Time of Sampling:	16/10/2015
Date of Receipt at Lab:	26/10/2015
Date of Start of Test:	12/11/2015
Sampling Location:	Unknown
Name of Source:	Unknown
Method of Sampling:	Disturbed Bulk Sample
Sampled By:	Client
Material Description:	50mm Aggregate
Target Specification:	N/A


**RESULTS:**


**Ten per cent fines value (SOAKED) = 140 kN**

**Comments**

Has the "as received material" been altered by crushing in the laboratory: **Yes**

Report to nearest 10kN for forces of 100kN or more report to nearest 5kN for forces less than 100kN.

Certificate  
Prepared by:-   
Meical Owen  
Assistant Laboratory Manager

Approved by: -   
Eric Goulden  
Technical Manager

Stratus Environmental Limited  
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Contract: Hafod Landfill - Cell 4 Phase 1

### **LABORATORY TEST REPORT**

**TEST REQUIREMENTS:** To determine the Ten Per Cent Fines Value (TFV) of aggregate sample 10mm and greater in accordance with **BS 812: Part 111: 1990.**

#### **SAMPLE DETAILS:**

Certificate of sampling received:	No
Laboratory Ref. No:	S55488
Client Ref. No:	LSTONE2
Date and Time of Sampling:	16/10/2015
Date of Receipt at Lab:	26/10/2015
Date of Start of Test:	12/11/2015
Sampling Location:	Unknown
Name of Source:	Unknown
Method of Sampling:	Disturbed Bulk Sample
Sampled By:	Client
Material Description:	50mm Aggregate
Target Specification:	N/A

#### **RESULTS:**

**Ten per cent fines value (SOAKED) = 150 kN**

#### **Comments**

Has the "as received material" been altered by crushing in the laboratory: **Yes**

Report to nearest 10kN for forces of 100kN or more report to nearest 5kN for forces less than 100kN.

Certificate

Prepared by:-



Meical Owen  
Assistant Laboratory Manager

Approved by: -



Eric Goulden  
Technical Manager

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## LABORATORY TEST REPORT

### TEST REQUIREMENTS:

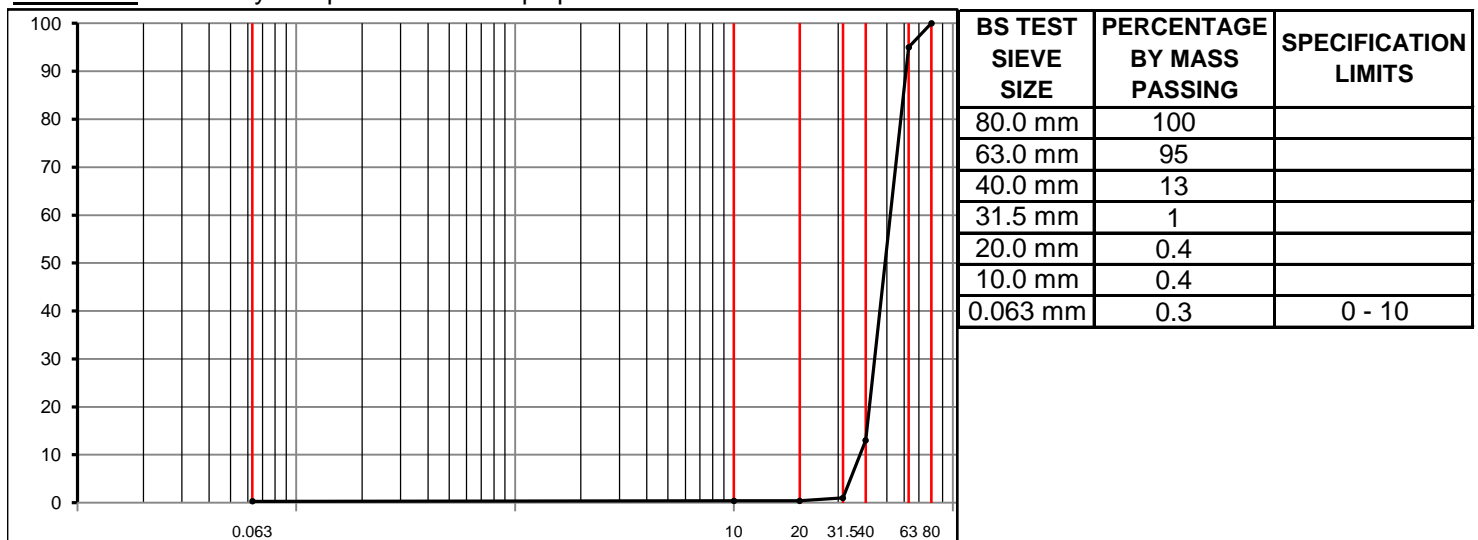
To determine the Particle Size Distribution (PSD) of a aggregate sample-washing and sieving method to **BS EN 933-1: 2012**.

### SAMPLE DETAILS:

Certificate of sampling received **No**  
Laboratory Ref. No: **S55488**  
Client Ref. No: **LSTONE3**  
Date and Time of Sampling: **16/10/2015**  
Date of Receipt at Lab: **26/10/2015**  
Date of Start of Test: **27/10/2015**  
Sampling Location: **Unknown**  
Material Description: **50mm Aggregate**  
Target Specification: **Site Specification**

Name of Source: **Unknown**  
Method of Sampling: **Disturbed Bulk Sample**  
Sampled By: **Client**

### RESULTS: Were any unrepresentative lumps present? No



### Comments

Complies with site specification requirements

Certificate  
Prepared by:- *Meical Owen*  
Assistant Laboratory Manager

Approved by: - *Eric Goulden*  
Eric Goulden

Technical Manager

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Thorpe Park  
Leeds

Date: 23 November 2015  
Test Report Ref: STR 437628

LS15 8GB

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Contract: Hafod Landfill - Cell 4 Phase 1

## LABORATORY TEST REPORT

### TEST REQUIREMENTS:

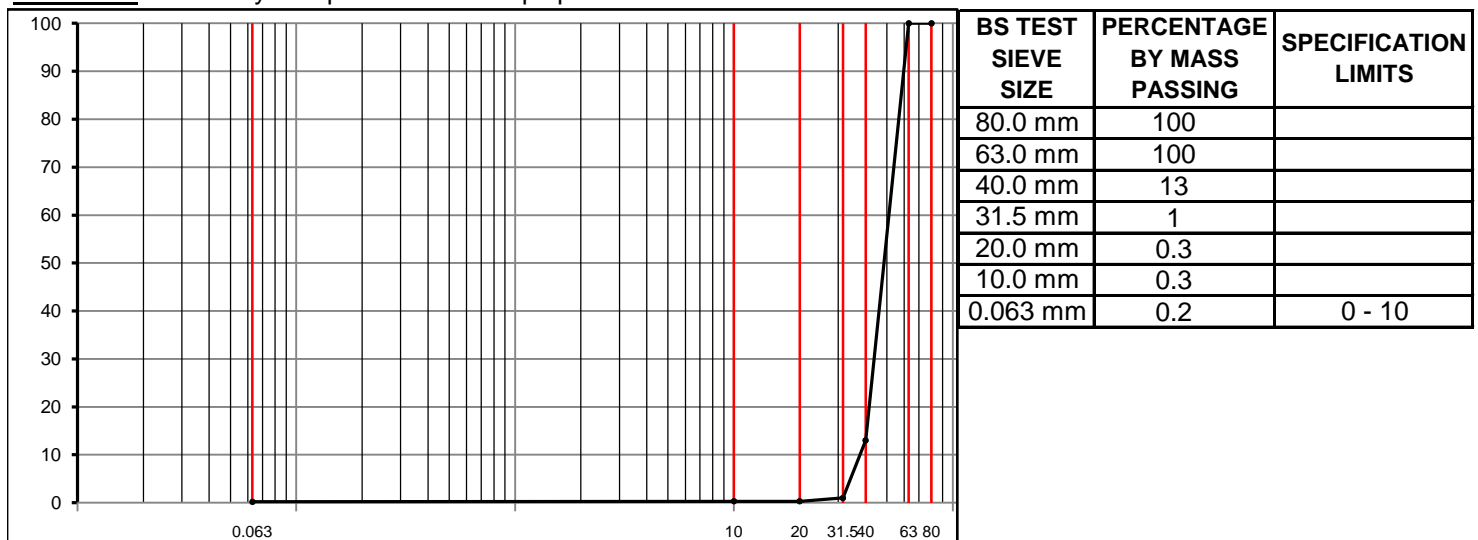
To determine the Particle Size Distribution (PSD) of a aggregate sample-washing and sieving method to **BS EN 933-1: 2012**.

### SAMPLE DETAILS:

Certificate of sampling received **No**  
Laboratory Ref. No: **S55488**  
Client Ref. No: **LSTONE1**  
Date and Time of Sampling: **16/10/2015**  
Date of Receipt at Lab: **26/10/2015**  
Date of Start of Test: **27/10/2015**  
Sampling Location: **Unknown**  
Material Description: **50mm Aggregate**  
Target Specification: **Site Specification**

Name of Source: **Unknown**  
Method of Sampling: **Disturbed Bulk Sample**  
Sampled By: **Client**

### RESULTS: Were any unrepresentative lumps present? No



### Comments

Complies with site specification requirements.

Certificate

Prepared by:-

*Meical Owen*

Meical Owen

Assistant Laboratory Manager

Approved by: -

*Eric Goulden*

Eric Goulden

Technical Manager

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## LABORATORY TEST REPORT

### TEST REQUIREMENTS:

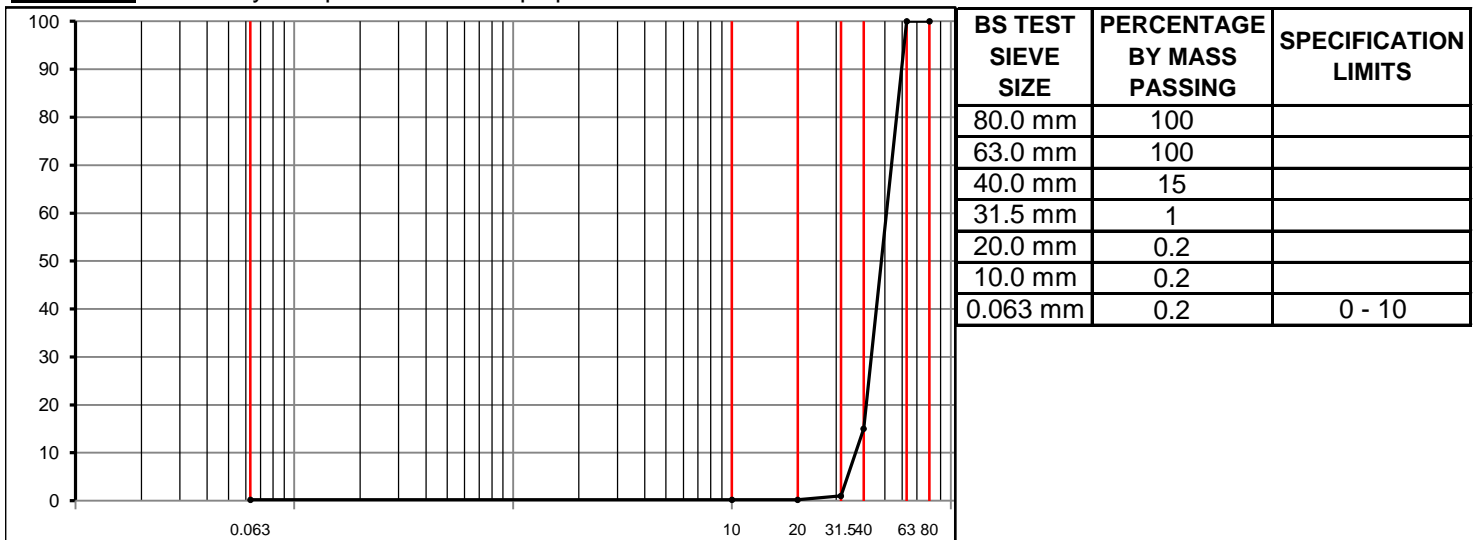
To determine the Particle Size Distribution (PSD) of a aggregate sample-washing and sieving method to **BS EN 933-1: 2012**.

### SAMPLE DETAILS:

Certificate of sampling received **No**  
Laboratory Ref. No: **S55488**  
Client Ref. No: **LSTONE2**  
Date and Time of Sampling: **16/10/2015**  
Date of Receipt at Lab: **26/10/2015**  
Date of Start of Test: **27/10/2015**  
Sampling Location: **Unknown**  
Material Description: **50mm Aggregate**  
Target Specification: **Site Specification**

Name of Source: **Unknown**  
Method of Sampling: **Disturbed Bulk Sample**  
Sampled By: **Client**

### RESULTS: Were any unrepresentative lumps present? No



### Comments

Complies with site specification requirements.

Certificate  
Prepared by:- *Meical Owen*  
Assistant Laboratory Manager

Approved by: - *Eric Goulden*  
Eric Goulden

Technical Manager

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### **LABORATORY TEST REPORT**

**TEST REQUIREMENTS:** To determine the Ten Per Cent Fines Value (TFV) of aggregate sample 10mm and greater in accordance with **BS 812: Part 111: 1990.**

#### **SAMPLE DETAILS:**

Certificate of sampling received:	No
Laboratory Ref. No:	S55488
Client Ref. No:	LSTONE3
Date and Time of Sampling:	16/10/2015
Date of Receipt at Lab:	26/10/2015
Date of Start of Test:	12/11/2015
Sampling Location:	Unknown
Name of Source:	Unknown
Method of Sampling:	Disturbed Bulk Sample
Sampled By:	Client
Material Description:	50mm Aggregate
Target Specification:	N/A

#### **RESULTS:**

**Ten per cent fines value (SOAKED) = 150 kN**

#### **Comments**

Has the "as received material" been altered by crushing in the laboratory: **Yes**

Report to nearest 10kN for forces of 100kN or more report to nearest 5kN for forces less than 100kN.

Certificate

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Assistant Laboratory Manager

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