



2304

Quarry Bank Farm Bowbridge Lane
Newark Nottinghamshire NG24 3BZ
t: 01636 705100 f: 01636 640640
e: newark @ enverity . co . uk

TEST CERTIFICATE

Determination of Particle Size Distribution

Tested in accordance with BS EN 933-1: 1997: 7.1 & 7.2 [Washing & Sieving]

Client: Nottinghamshire Recycling Ltd
Client Address: Worksop Recycling Centre
Shireoaks Road
Worksop, Notts
S80 3HA
Contact: Carl Baker
Site Name: Kiveton
Site Address: Dog Kennels Lane

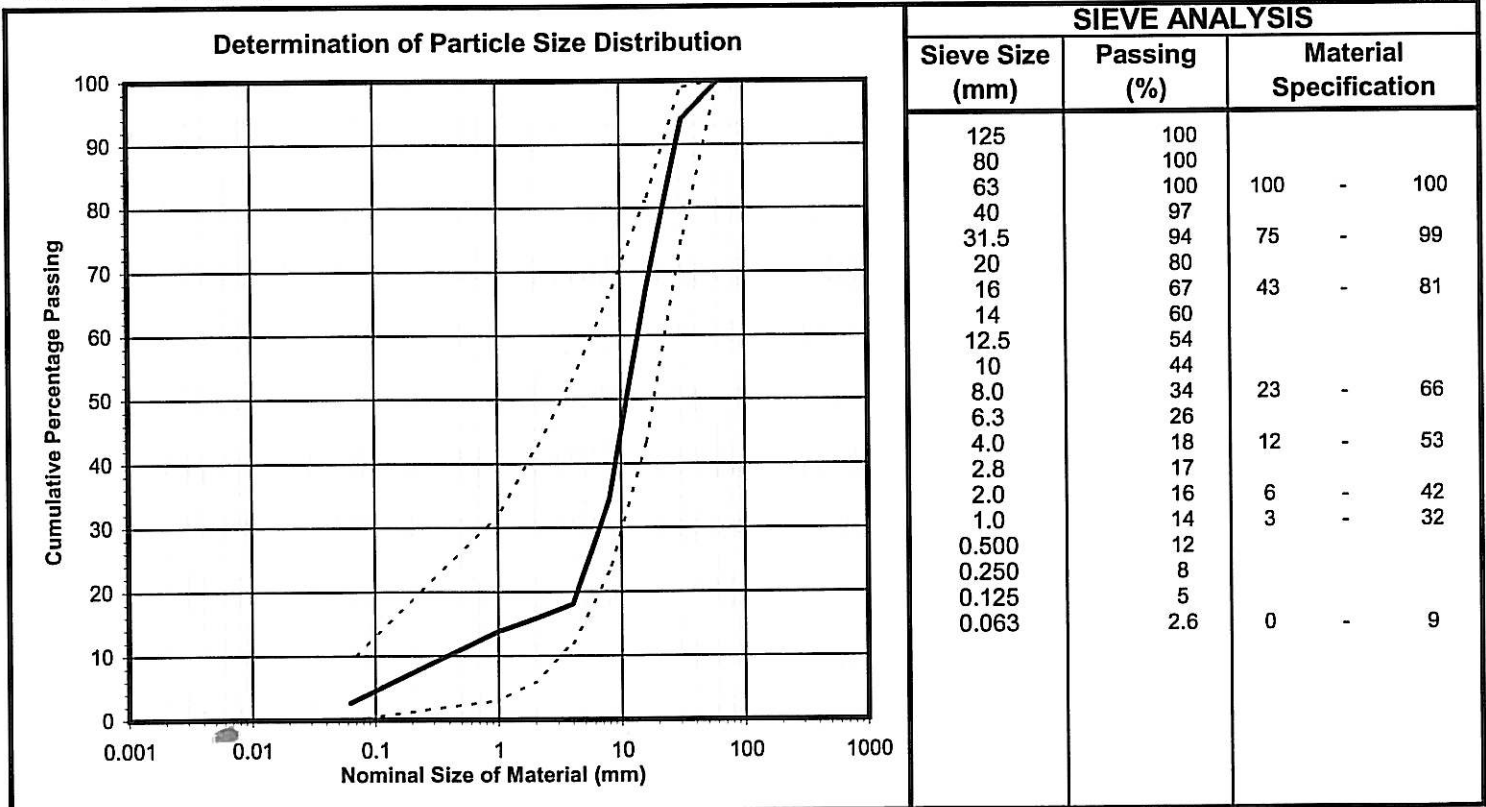
Certificate Number: NL3555-1/1/116
Client Reference: N/A
Job Number: NL3555-1
Date Sampled: Not Given
Date Received: 26.04.2011
Date Tested: 05.05.2011
Certificate of Sampling: No
Sampling Certificate No.: N/A
Sampled By: Client

Test Results: Laboratory Reference: NL3555-1/1
Sample Reference: 1(Bulk)

Sample Description: Type 1 Sub Base
Material Specification: Type 1 Unbound Mixture for Sub-base
Specification for Highway Works (2004), Table 8/5, Clause 803

Location: Not Given
Supplier: Nottinghamshire Recycling
Source: Worksop

Depth Not Given



Comments: Grading of individual batches as per Table 8/5 of SHW not assessed.

Approved Signatory: C. Reynolds - Laboratory Manager
 T. Stafford - Fieldwork Services Manager

Signed:

for and on behalf of Enverity Ltd

Date Reported: 05.05.2011 Page 1 of 1
Form Number: EN/C/116 Version 10

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TEST CERTIFICATE Determination of Resistance to Fragmentation By Los Angeles Method

Tested in accordance with BS EN 1097-2: 2010

Client: Nottinghamshire Recycling Ltd
Client Address: Worksop Recycling Centre
Shireoaks Road
Worksop, Notts
S80 3HA
Contact: Carl Baker
Site Name: Kiveton
Site Address: Dog Kennels Lane

Certificate Number: NL3555-1/1/128
Client Reference: N/A
Job Number: NL3555-1
Date Sampled: Not Given
Date Received: 26.04.2011
Date Tested: 05.05.2011
Certificate of Sampling: No
Sampling Certificate No.: N/A
Sampled By: Client

Test Results: Laboratory Reference: NL3555-1/1
Sample Reference: 1(Bulk)

Sample Description: Type 1 Sub Base
Location: Not Given

Depth: N/A

Size Fraction which test portion obtained		Los Angeles Coefficient [LA]
Size Fraction #1	Size Fraction #2	
14mm-11.2mm	11.2mm-10mm	31

Comments:

Approved Signatory: C. Reynolds - Laboratory Manager
 T. Stafford - Fieldwork Services Manager

Signed:

for and behalf of Enverity Ltd

Date Reported: 05.05.2011
Form Number: EN/C/128a Version 3

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TEST CERTIFICATE

Enverity

Quarry Bank Farm Bowbridge Lane
Newark Nottinghamshire NG24 3BZ
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Determination of Liquid & Plastic Limits

Tested in accordance with BS 1377-2:1990: Clause 4.4 & 5: One Point Method

Client: Nottinghamshire Recycling Ltd
Client Address: Worksop Recycling Centre
Shireoaks Road
Worksop, Notts
S80 3HA

Certificate Number: NL3555-1/1/704

Contact: Carl Baker

Client Reference: N/A

Job Number: NL3555-1

Date Sampled: Not Given

Date Received: 26.04.2011

Date Tested: 04.05.2011

Site Name: Kiveton
Site Address: Dog Kennels Lane

Certificate of Sampling: No

Sampling Certificate No.: N/A

Sampled By: Client

Test Results: Laboratory Reference: NL3555-1/1

Sample Reference: 1(Bulk)

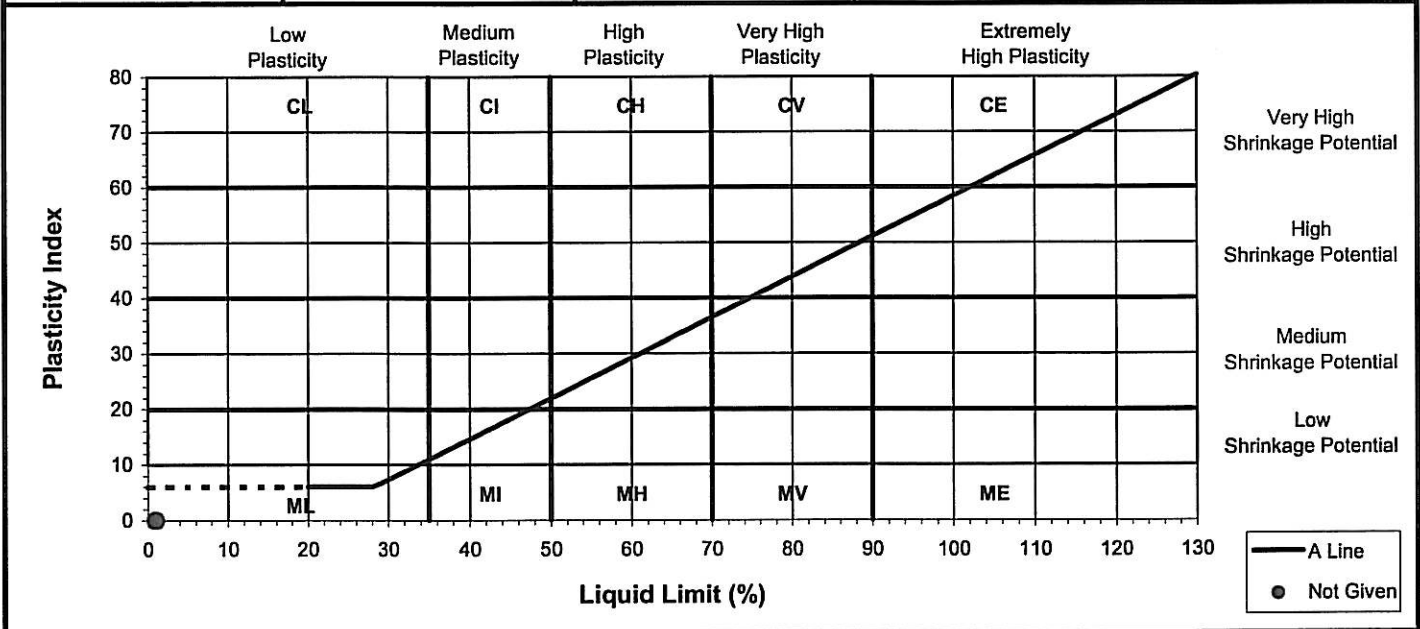
Sample Description: Type 1 Sub Base

Location: Not Given

Depth: N/A

Sample Preparation: Washed over 425µm BS Test Sieve

Moisture Content (%)	Liquid Limit [%]	Plastic Limit [%]	Plasticity Index	% Passing 425µm BS Test Sieve
N/A	N/A	Non-Plastic	N/A	12



Comments:

Actual % Passing 500µm BS Test Sieve taken from separate grading analysis

Approved Signatory: C. Reynolds - Laboratory Manager
 T. Stafford - Fieldwork Services Manager

Signed:

for and on behalf of Enverity Ltd

Date Reported: 05.05.2011

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Form Number: EN/C/704 Version 20

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TEST CERTIFICATE

Results of Analysis Carried Out By Celtest

Quarry Bank Farm Bowbridge Lane
Newark Nottinghamshire NG24 3BZ
t: 01636 705100 f: 01636 640640
e: newark @ enverity . co . uk

Client: Nottinghamshire Recycling Ltd
Client Address: Worksop Recycling Centre
Shireoaks Road
Worksop, Notts
S80 3HA

Certificate Number: NL3555-1/1/801
Client Reference: N/A
Job Number: NL3555-1

Contact: Carl Baker

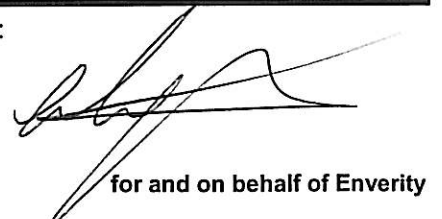
Site Name: Kiveton
Site Address: Dog Kennels Lane

Analysis carried out by Celtest on the following samples

Laboratory Reference	Client Reference	Location	Test Requested
NL3555-1/1	1(Bulk)	Not Given	Frost Heave (BS 812-124: 1989 & SHW)

Approved Signatory: [] C. Reynolds - Laboratory Manager
[] T. Stafford - Fieldwork Services Manager

Signed:



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Enverity Limited
 Quarry Bank Farm
 Bowbridge Lane
 Newark
 Nottinghamshire
 NG24 3BZ

Date: 14 May 2011
 Test Report Ref: STR 250104

Page 1 of 2

LABORATORY TEST REPORT

TEST REQUIREMENTS: To determine the Frost Heave of Unbound Aggregate in accordance with **BS 812: Part 124: 2009 - Annex B (Use of Comparator Specimens)**

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S35074
Client Ref. No:	NL3555-1/1
Date and Time of Sampling:	Unknown
Date of Receipt at Lab:	28/04/2011
Date of Start of Test:	03/05/2011
Sampling Location:	Unknown
Name of Source:	Kiveton
Method of Sampling:	Unknown
Sampled By:	Client
Material Description:	20mm down crushed rock
Target Specification	N/A

RESULTS:

Were any unrepresentative lumps present? No

Frost Heave Test Result:

Maximum Heave Observed in 96 hours (mm)		
Comparator Specimen 1	13.5	(nearest 0.5mm)
Comparator Specimen 2	12.5	(nearest 0.5mm)
Comparator Specimen 3	14.0	(nearest 0.5mm)
Mean	13.3	(nearest 0.1mm)
<hr/>		
Test Specimen 1	8.5	(nearest 0.5mm)
Test Specimen 2	10.0	(nearest 0.5mm)
Test Specimen 3	9.5	(nearest 0.5mm)
Mean Frost Heave	9.3	(nearest 0.1mm)

In accordance with SHW Series 800: clause 801.8 the sample is classified as being **Non Frost Susceptible (mean frost heave ≤ 15mm)**

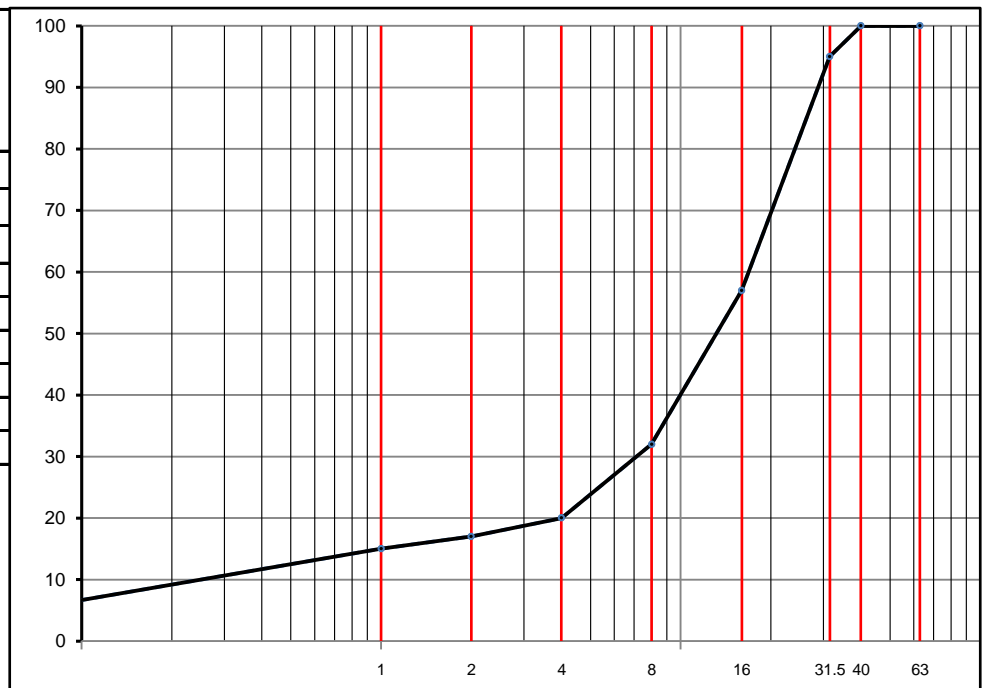
RESULTS CONTINUED:

Laboratory Dry Density & Water Content Test Result

Maximum Dry Density	2.06 Mg/m ³
Optimum Water Content	11 %
Actual Dry Density	2.06 Mg/m ³
Actual Water Content	11 %

Particle Size Distribution Test Result

BS Test Sieve Nominal Apperture	As Received Test Portion % Passing	Stable Test Portion % Passing
63.0 mm	100	100
40.0 mm	100	100
31.5 mm	95	95
16.0 mm	57	57
8.0 mm	32	32
4.0 mm	20	20
2.0 mm	17	17
1.0 mm	15	15
0.063 mm	5	5



Comments

None

Certificate
Prepared by:-

Euros Jones
Laboratory Manager

Approved by: -

Eric Goulden
Technical Manager

TEST CERTIFICATE

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Results of Analysis Carried Out By Norfolk Partnership Laboratory

Client: Nottinghamshire Recycling Ltd
Client Address: Worksop Recycling Centre
Shireoaks Road
Worksop, Notts
S80 3HA

Certificate Number: NL3555-1/1/801

Client Reference: N/A

Job Number: NL3555-1

Contact: Carl Baker


Site Name: Kiveton
Site Address: Dog Kennels Lane

Analysis carried out by Norfolk Partnership Laboratory on the following samples

Laboratory Reference	Client Reference	Location	Test Requested
NL3555-1/1	1(Bulk)	Not Given	Magnesium Sulfate Soundness Value (BS EN 1367-2:2009)

Approved Signatory: C. Reynolds - Laboratory Manager
 T. Stafford - Fieldwork Services Manager

Signed:



for and on behalf of Enverity

Form Number: EN/C/801 Version 3

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Enverity
FAO C Reynolds
Quarry Bank View
Bowbridge Lane
Newark
Nottinghamshire
NG24 3BZ

Our Project No ENTY0007
Our Report/Sample No NPL22781-121
Your Sample Ref B
Your Project or Order No
P&T Project No.
Date Report Issued 25-May-11

claire.reynolds@enverity.co.uk

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**DETERMINATION OF SOUNDNESS OF AGGREGATE USING MAGNESIUM SULFATE
TO BS EN 1367-2 : 2009**

Scheme	Kiveton, Dog Kennels Lane		
Chainage/ Location	Kiveton - Sample 1		
Date tested	09-May-11	Date received	03-May-11
Sample type	Bulk	Sample Mass	2.5 kg

Sampled by S Beane who is not a member of Norfolk Partnership Laboratory. If a Sample Certificate was provided it is available for inspection. The accuracy of information provided by third parties cannot be guaranteed.

Material	Recycled aggregate comprising concrete, flint, tile, glass, rock and bituminous material.		
Material Specification	BS EN 12620		
Supplier	Unknown		
Plant/Source	Ex-site		
Conveyance note No.	Not applicable		

ROCK TYPE Recycled aggregate
AGGREGATE SIZE 14mm

SIZE FRACTION
MAX SIZE 14mm
MIN SIZE 10mm

	SOUNDNESS VALUE (%)	SPECIFIED VALUE
SPECIMEN 1	21.6	
SPECIMEN 2	24.5	
MEAN RESULT	23.1	Less than 35 - Specification for Highway Works

REMARKS

Test Code = 121



David Houseago (Lead Technician)

