

**LABORATORY TEST CERTIFICATE
MATERIALS LABORATORY**

Certificate No: 19/1354-47

To : Rachel Moore / Matthew O'Sullivan

Client : Network Plus
James Corbett Road
Salford
Greater Manchester
M50 1DE

Date: 24/03/2021

Dear Sirs,

FIELD & LABORATORY TESTING

Introduction

We refer to a sample taken from site on the 13th January 2021.

Tested By : MATtest Laboratories Ltd / Lincs Laboratory

Sample Reference : A3103

Description : SMR 50/50 Mix

Date Sampled : 13th January 2021

Date Tested : 15th February - 15th March 2021

Source : Stockpile from Bay 6

Weather : N/A

Test Results;

Please see attached

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
This report should not be reproduced except in full without the written approval of the laboratory
All remaining samples for this project will be disposed of 28 days after issue of this test certificate
When a statement of conformity is requested for a test result against limits set out in a standard or specification (e.g. BS EN ISO, SHW) that already considers measurement uncertainty, MATtest Laboratories decision rule is to follow conformity requirements of the applicable standard or specification.
Results reported only relate to the items tested/ received.

Remarks;

Approved for Issue:

W J Lane

Position:

Technical Director

Issuing Office:



Head Office & Central

Unit 5 Draycott Mills, Off Market Street, Draycott, Derby, DE72 3NB



North West

Unit 15 Park Court, Sherdley Business Park, St. Helens, Merseyside, WA9 5GZ

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7806

Lincs Laboratory

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0699

TO: B Lerner
Mattest Laboratories Ltd.
Unit 5
Draycott Mills
Off Market Street
Draycott
Derby
NE72 3NB

REPORT NO: 79153
JOB NO: 43265
DATE: 22nd March 2021

PROJECT TITLE: JAMES CORBETT ROAD DEPOT, ECCLES, SALFORD
WORK UNDERTAKEN: ANALYSIS OF AGGREGATES

Authorising Signature:

A handwritten signature in black ink, appearing to read 'R. Broughton'.

(Robyn Broughton; Supervisor – Laboratory Testing)

Notes:

1. This report is factual and only relates to the items tested.
2. Advice on the interpretation of these results is available from Lincs Laboratory Consultancy Staff. Opinions and interpretations are outside the scope of our UKAS/ISO 17025 accreditation.
3. Any samples or their residues will normally be kept for four weeks after the publication of this report.
4. Tests marked 'UKAS accredited' in this report are listed in our UKAS accreditation schedule bearing No. 0699.
5. This report shall not be reproduced except in full, without written approval of Lincs Laboratory.
6. This report contains results for samples taken by a third party. The results apply to the sample as received.

Distribution:

- 1 - Client
- 1 - Lab File

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PROJECT TITLE: JAMES CORBETT ROAD DEPOT, ECCLES, SALFORD
 WORK UNDERTAKEN: ANALYSIS OF AGGREGATES

SAMPLE DETAILS:

Lab Sample No:	A17-21	Source:	Site
Client Ref No:	A3103		
Sample Location:	Stockpile from Bay 6	Date Tested:	15/02/21 to 15/03/21
Sample Description:	SMR 50/50 Mix-Aggregate, Bituminous and Soil		
Supplier:	Site		
Date Received:	08/02/21		
Sampler:	Not Supplied		
Sampling Procedure:	Not Supplied		

TEST METHOD DETAILS:

Determination of Particle Size Distribution – Sieving Method (Washing/Sieving)
 BS EN 933-1:2012 and Annex A (UKAS Accredited)
 Determination of Water Content – Drying in ventilated oven BS EN 1097-5:2008 (UKAS Accredited)
 Determination of Frost Heave BS 812:Part 124:2009 (UKAS Accredited)
 Material Specification: Not Supplied

PARTICLE SIZE CHARACTERISTICS

Sieve Size	As Rec'd	After Compaction
63mm	100	100
50mm	100	100
40mm	100	100
31.5mm	90	93
20mm	68	71
16mm	60	64
14mm	56	60
10mm	47	49
8mm	43	44
6.3mm	39	40
4mm	32	33
2.8mm	29	29
2mm	26	26
1mm	22	23
0.5mm	19	20
0.25mm	14	16
0.125mm	9	11
0.063mm	6.2	7.9

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REPORT NO: 79153
 JOB NO: 43265

COMPACTION CHARACTERISTICS:
 BS EN 13286-4:2003 (UKAS Accredited)

Maximum Dry Density: 2.08 Mg/m³
 Optimum Water Content 9.5%
 Dry Density of Stable Specimen: 2.08 Mg/m³

WATER CONTENT CHARACTERISTICS:
 BS EN 1097:5 2008 (UKAS Accredited)

Water Content of Stable Specimen: 9.3%

PREPARATION DETAILS:

Samples prepared at density of 2.08 Mg/m³.
 Samples prepared at water content of 9.5%.

FROST HEAVE RESULTS FOR REFERENCE SPECIMENS:

HEAVE OF CYLINDERS (In 96 hours freezing) mm	A	B	C	MEAN
	12.5	14.0	12.5	13.0

Specification for mean heave = 9.6 - 17.6mm.
 Maximum difference in heave between individual specimens = 6mm
 The above reference samples comply with this specification.
 Position of reference samples in cabinet 3, 5, 7

FROST HEAVE RESULTS FOR TEST SPECIMENS:

HEAVE OF CYLINDERS (After 96 hours freezing) mm	A	B	C	MEAN
	15.0	15.0	17.0	15.7

Specification for difference in heave = Mean below 18mm then the range must not be >6.0mm.
 If the mean is above 18mm there is no specification for the range.

The test specimens complied with the above specification for difference in heave. Positions in the cabinet: 6, 8, 9.

COMPLIANCE DETAILS:

Specification = Materials are classified as non-frost susceptible if the mean heave is 15.0mm or less.
 Materials with a mean heave of 15.1mm or more are classified as frost susceptible.

REMARKS:

The decision rule is based on a recognised method and is inherent of the standard / specification.

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REPORT: 79153
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PROJECT TITLE: JAMES CORBETT ROAD DEPOT, ECCLES, SALFORD
 WORK UNDERTAKEN: REFERENCE DENSITY AND WATER CONTENT –
 VIBRATING HAMMER

Lab Sample No:	Sample (Type)	Location	Water Content (%)	Dry Density (Mg/m ³)	Retained 40mm (%)	Retained 20mm (%)
A17-21	B	Stockpile from Bay 6	5.6	1.97	0.5	29
			6.9	2.04		
			8.9	2.07		
			11.1	2.00		
			11.3	1.97		

Optimum Water Content: 9.5%
 Maximum Dry Density: 2.08 Mg/m³

Supplier: Site
 Source: Site
 Sample Description: SMR 50/50 Mix, Aggregate, Bituminous and Soil.

Notes:

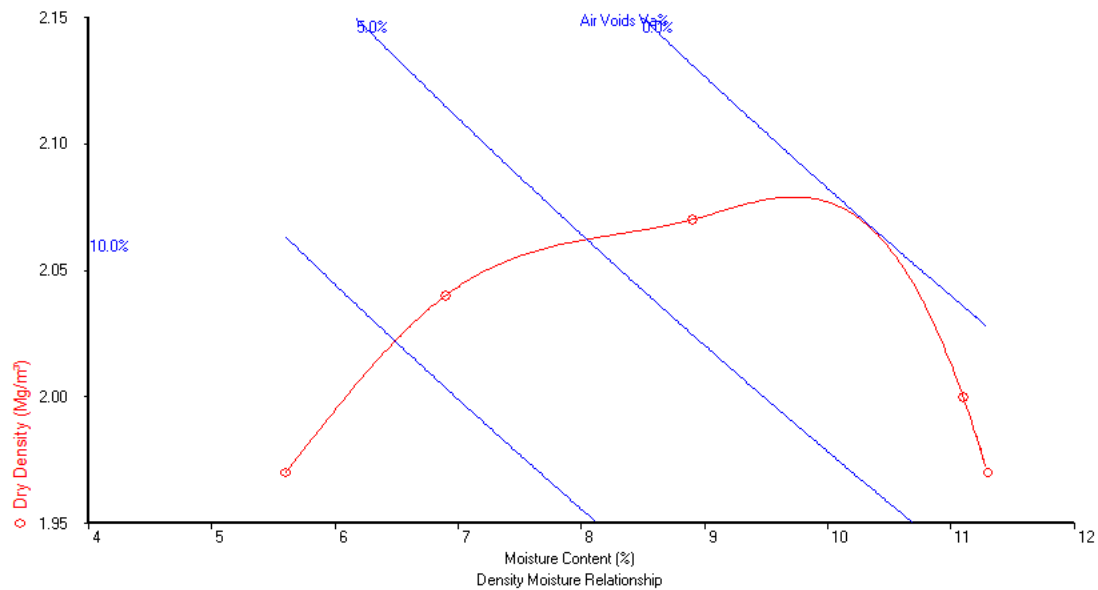
- i) Sampler : Not Supplied
- ii) Sampling Procedure : Not Supplied
- iii) Date Received : 08/02/21
- iv) Date Tested : 26/02/21
- v) Test Procedure : BS EN 13286-4:2003 (UKAS Accredited)



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Density Moisture Relationship



Job Ref: 43265

Job Name: James Corbett Road Depot, Eccles, Salford

Sample Ref: A17-21

Sample Location: Stockpile From Bay 6

Date Tested: 26/02/2021

Optimum Water Content: 9.5

Max Dry Density (Mg/m³): 2.08

Voids @ OWC (%): 1.2