



TEST REPORT

Client Booth Ventures Ltd

Address Harwood Quarry Landfill Site
Brookfold Lane
Harwood
Bolton
BL2 4LT

Contract Ravenhead Quarry,
Skelmersdale

Job Number MRN 3219/1
Date of Issue 25 May 2018
Page 1 of 4

Approved Signatories

S J Hutchings, O P Davies

Notes

- 1 All remaining samples and remnants from this contract will be disposed 28 days from the date of this report unless you notify us to the contrary.
- 2 Result certificates, in this report, not bearing a UKAS mark, are not included in our UKAS accreditation schedule.
- 3 Opinions and interpretations expressed herein are outside the scope of our UKAS accreditation
- 4 Certified that the samples have been examined and tested in accordance with the terms of the contract/order and unless otherwise stated conform to the standards/specifications quoted. This does not, however, guarantee the balance of the materials from which the tested samples have been taken to be of equal quality.



MURRAY RIX

33C VAUXHALL INDUSTRIAL ESTATE
GREG STREET, REDDISH, STOCKPORT SK5 7BR
TEL 0161 475 0870 FAX 0161 475 0871



TEST CERTIFICATE

PARTICLE SIZE DISTRIBUTION

BS EN 933-1 : 2012 (Washing & Sieving Method)

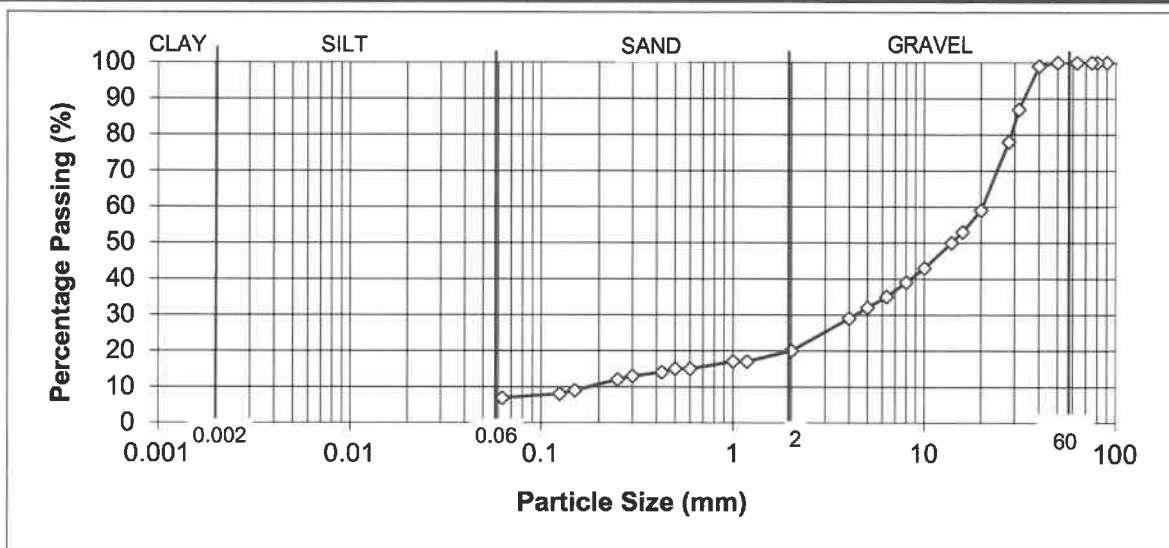
Determination of water content in accordance with BS EN 1097-5:2008

CLIENT	Booth Ventures Ltd
SITE	Ravenhead, Skelmersdale
JOB NUMBER	MRN 3219/1

SAMPLE LABEL	Subbase Type 1	DATE SAMPLED	Not advised
LAB SAMPLE No	76782	DATE RECEIVED	11-May-18
DATE TESTED	12-May-18	SAMPLED BY	Client

MATERIAL	Subbase Type 1
ADVISED SOURCE	Stockpile - Ravenhead Quarry, Skelmersdale

Sieve Size (mm)	% Passing (%)	Specification (%)	Sieve Size (mm)	% Passing (%)	Specification (%)
125	100		6.3	35	
90	100		5	32	
80	100		4	29	12-53
75	100		2	20	6-42
63	100	100	1.18	17	
50	100		1	17	3-32
40	99		0.6	15	
31.5	87	75-99	0.5	15	
28	78		0.425	14	
20	59		0.3	13	
16	53	43-81	0.25	12	
14	50		0.15	9	
10	43		0.125	8	
8	39	23-66	0.063	6.9	0-9



REMARKS

Sample complies with the advised grading specification, specification shown is the overall grading specification in accordance with the specification for highway works Feb 2016.

As received moisture content = 2.7%

SIGNED

NAME O.P. Davies
(Deputy Laboratory Manager)

DATE 25-May-18



TEST CERTIFICATE

DETERMINATION OF RESISTANCE TO FRAGMENTATION BY THE LOS ANGELES TEST
METHOD
BS EN 1097-2:2010

Client. Booth Ventures Ltd
Site Ravenhead Quarry, Skelmersdale

SAMPLE DETAILS

Job number.	:	MRN 3219/1
Laboratory sample number.	:	76782
Material	:	Subbase Type 1
Advised Source	:	As client and site above
Site mark.	:	Subbase Type 1
Certificate of sampling received.	:	No
Date and time of sampling.	:	Not advised
Date received at Laboratory.	:	11 May 2018
Date of start of test	:	16 May 2018
Sampling location.	:	Site Stockpile
Method of sampling.	:	BS EN 932-1 : 1997
Sampled by.	:	Client
Size Fraction	:	40% passing 14mm-retained 12.5mm 60% passing 12.5mm-retained 10mm
Mass of dry sample tested	:	5000 g
Target specification.	:	<50

RESULT

Los Angeles Coefficient : 30

Comment

Signed

NAME O.P. Davies
(Deputy Laboratory Manager)

Date 25 May 2018

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TEST CERTIFICATE

DETERMINATION OF PARTICLE DENSITY AND WATER ABSORPTION
BS EN 1097 – 6:2000
METHOD FOR AGGREGATES BETWEEN 0.063 mm AND 4 mm

CLIENT	Booth Ventures Ltd
SITE	Ravenhead Quarry, Skelmersdale
JOB NUMBER	MRN 3219/1

Site Mark	Subbase Type 1	M.R. Sample No	76782
Date Received	11 May 2018	Date Sampled	Not advised
Date Tested	15 May 2018	Sampled By	Client

AGGREGATE SIZE	31.5 mm to 4 mm	WAS SAMPLE ARTIFICIALLY HEATED BEFORE TEST	No
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Apparent particle density	2.76	Mg/m ³
Particle density on an oven dried basis	2.50	Mg/m ³
Particle density on a saturated and surface dried basis	2.59	Mg/m ³
Water Absorption as % of dry mass	3.8	%

COMMENT/ANOMALIES

SIGNED



NAME O.P. Davies
(Deputy Laboratory Manager)

DATE 25 May 2018