



TONKIN MATERIALS TESTING LIMITED

The Materials Laboratory
25A New North Road, Exmouth, Devon. EX8 1RU
Tel/Fax: 01395 222460 Mobile: 07860 835099



TEST CERTIFICATE

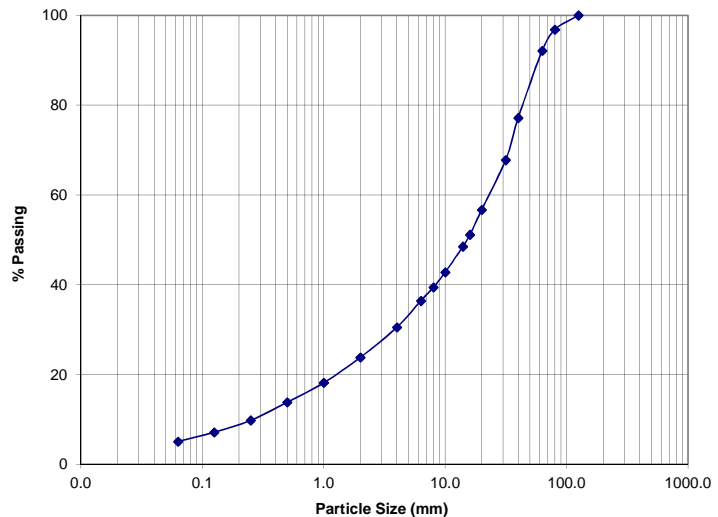
Determination of particle size distribution - sieving method in accordance with BS EN 933-1:2012 (washing and sieving method) and Testing for constituent materials in recycled aggregate in accordance with BS EN 933-11:2009

Client: Dre
Contract: Challonsleigh Farm Recycling Facility, Lee Mill
Location: Stockpile designated: Class 6F5 (coarse grading) - Capping
Material: Selected granular material (coarse grading) - Capping
Specification: SHW Series 600 Table 6/5 Class 6F5
Aggregate Product Specification: BS EN 13242:2002+A1:2007
Aggregate category: Table 2 0/80 G_A 75, Table 8 f₁₂
Supplier: Recycled by client
Source: Stockpile designated: Class 6F5 (coarse grading) - Capping

Contract Ref: 19/106
Report No: 19/106/RAC/004
Sample No: 19/106/A/004
Date sampled: 26/09/2019
Date received: 26/09/2019
Dates tested: 27/09/2019
to 07/10/2019
Sampled by: A Meecham
Sample Cert: Available

BS EN 933-2 Test sieve (mm)	Passing (%)	Specification
125.0	100	100 - 100
80.0	97	75 - 99
63.0	92	
40.0	77	50 - 90
31.5	68	
20.0	57	30 - 75
16.0	51	
14.0	48	
10.0	43	15 - 60
8.0	39	
6.3	36	
4.0	30	
2.00	24	0 - 35
1.00	18	
0.500	14	
0.250	10	
0.125	7	
0.063	5.0	0 - 12

Particle Size Distribution Chart



Determination of water content by drying in a ventilated oven - BS EN 1097-5:2008

12.2

Remarks: 1. The sample tested complies with the above specified requirements

Report to: Damien Pemberton
Dre
Falcon Business Centre
Falcon House
Eagle Road
Langage
Plymouth
PL7 5JY

Authorised Signatory:
A Meecham - Materials Technician

Signed:

Date of issue:

07 October 2019



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Drying temperature (°C)		105		
Dry mass of sample (g)		34344		
Corrected mass of test portion (after material > 63mm and < 4mm removed) (g):		21169		
Class	Material	Percentage present	Category	Specification
Rc	Concrete, concrete products, mortar, concrete masonry units	90	Rc ₉₀	Rc _{NR}
Rc + Ru + Rg	Rc + Ru (Unbound Aggregate, natural stone, hydraulically bound mixtures) + Rg	99	Rcu _{g90}	Rcu _{gNR}
Ru	Unbound Aggregate, natural stone, hydraulically bound mixtures	9	Not defined	Rcu _{gNR}
Rb	Clay masonry units, calcium silicate masonry units, aerated non floating concrete masonry	1	Rb ₁₀₋	Rb _{NR}
Ra	Bituminous Materials	0	Ra ₅₋	Max Ra ₅₀
Rg	Glass	0	Rg ₂₋	Max Rg ₂₅
X	Other: Cohesive(ie. Clay and soil), metals, non floating wood, plastic, rubber, gypsum plaster	0	X ₁₋	Max X ₁₋
FL	Floating material present (cm ³ /kg)	0.0	FL ₅₋	FL _{NR}

Description of Category X Material found:	None present
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Remarks: 1. Categorisation on Ru is not defined in Table 12 of BS EN 13242:2002+A1:2007.
2. The above testing is carried out as specified in SHW Clause 710.
3. BS EN 13242:2013 (withdrawn) Annex A, source code A2, A3 and P.

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