

Pencefn Feeds Ltd.
Pencefn Drysgol
Tregaron
Ceredigion
SY25 6NH

Date: 14 July 2017
Test Report Ref: STR 537129

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Contract: Pencefn Drysgol

LABORATORY TEST REPORT

TEST REQUIREMENTS:

To determine the Coefficient of Permeability under constant head conditions in a Triaxial Cell in accordance with
BS 1377: Part 6 : 1990 : Clause 6.

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S67072
Client Ref. No:	Pencefn 1
Date and Time of Sampling:	29/06/2017
Date of Receipt at Lab:	03/07/2017
Date of Start of Test:	04/07/2017
Sampling Location:	Pencefn AD base
Name of Source:	Site Won
Method of Sampling:	Disturbed Bulk Sample
Sampled By:	Client
Material Description:	Grey gravelly silty CLAY
Target Specification:	N/A

RESULTS:

See attached

Comments: None	Report checked and approved by:  Euros Jones Soils Team Manager
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TEST RESULTS

Sample condition: **Remoulded**

Method of Remoulding (If applicable): **2.5kg rammer**

Specimen Details:	Initial:	Final:
Diameter:	101.8 mm	N/A
Height:	98.6 mm	N/A
Moisture Content:	20.1 %	18.5 %
Bulk density:	2.112 Mg/m ³	2.137 Mg/m ³
Dry density:	1.759 Mg/m ³	1.803 Mg/m ³

Saturation stage: **Performed in accordance with clause 5.4.3 - Saturation by increments of cell pressure and back pressure.**

Initial pore pressure coefficient,B:	0.96
Final pore pressure coefficient,B:	0.98
Duration of stage:	1 day

Consolidation stage:

Effective pressure:	100 kPa
Duration of stage:	2 days

Permeability stage:

Pressure difference across specimen:	20 kPa
Mean effective stress:	90 kPa
Duration of stage	2 days
Coefficient of Permeability (k _v) at 20°C =	4.1 x 10 ⁻¹⁰ m/s