

Hamner Farms
Home Farm
Bettisfield Park
Whitchurch
Shropshire
SY13 2JZ

Date: 27 October 2023
Test Report Ref: TR 980995

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Contract: Hanmer Farms

LABORATORY TEST REPORT

TEST REQUIREMENTS:

To determine the Coefficient of Permeability under constant head conditions in a flexible wall permeameter in accordance with
BS EN ISO 17892-11: 2019

SAMPLE DETAILS:

Certificate of sampling received:	No
Laboratory Ref. No:	S114097
Client Ref. No:	Slurry lagoon clay
Date and Time of Sampling:	19/09/2023
Date of Receipt at Lab:	20/09/2023
Date of Start of Test:	13/10/2023
Sampling Location:	<50m from location of lagoon
Name of Source:	Site won
Method of Sampling:	Disturbed Bulk Sample
Sampled By:	Client (Test results apply to sample as received)
Tested By:	CH
Material Description:	Brown slightly gravelly slightly sandy silty CLAY
Target Specification:	$<1.0 \times 10^{-9}$ m/s
Average Laboratory temperature (°C)	21
Source of the permeant water:	De-aired tap water

RESULTS:

See attached

This test report shall not be reproduced, except in full, without the written approval of Celtest Company Limited.

These results relate only to the items tested.

Comments:

Complies with specification requirements.

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:	101.9 mm	N/A
Height:	98.0 mm	N/A
Water Content:	21 %	24 %
Bulk density:	2.00 Mg/m ³	2.11 Mg/m ³
Dry density:	1.65 Mg/m ³	1.71 Mg/m ³

Saturation stage: **Saturation by increments of both cell and back pressure with open drainage**

Initial pore pressure coefficient,B:	0.54
Final pore pressure coefficient,B:	0.96
Duration of stage:	6 days

Consolidation stage:

Effective pressure:	100 kPa
Duration of stage:	4 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 =	4.0 x 10 ⁻¹¹ m/s