BROOKSIDE LABORATORIES, INC.
GEOTECHNICAL DIVISION
200 WHITE MOUNTAIN DRIVE
NEW BREMEN, OH 45869

** PHYSICAL ANALYSIS REPORT **

Osburn Industries
5850 Pardee
Taylor, MI 48180

File Number: 44900

Date Received/Started : 1/31/2022
Date Completed/Reported: 2/3/2022
Date Issued: 2/3/2022

Submitted By: Mavis Consulting, Ltd.

Lab Number	0151
Sample Description	HP/PEAT 81721 -

Sample Condition XX Normal ___ Other (see comments)

Method References

ASTM D5550
ASTM F1632
ASTM F1647 - Method A
ASTM F1815
** pH NER Bulletin 493

D Values

** D10: 0.16
** D60: 0.49
** Coefficient of Uniformity: 3.01

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*Reported values are an average of duplicated analysis

** NON A2LA ACCREDITED

A2LA ACCREDITED
Geotechnical
(Putting Green Materials)
Certificate Number: 736.01

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5850 Pardee
Taylor, MI 48180

File Number : 44900
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Start Date : 1/31/2022
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Submitted By: Mavis Consulting, Ltd. Reviewed by: _____

Lab Number	0151
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Particle Size Analysis

Clay <.002mm	%	0.7
Silt .002mm - .05mm	%	0.5
Sand .05mm - 2.00mm	%	98.6
Gravel > 2.0mm	%	0.2

Org Mat 360 deg C (LOI)	0.54

Sand Fractions

Sieve Size #	mm		% Retained
10 -	2.0	Fine Gravel	0.2
18 -	1.0	Very Coarse Sand	6.3
35 -	.500	Coarse Sand	32.1
60 -	.250	Medium Sand	38.2
100 -	.150	Fine Sand	15.2
140 -	.106	Very Fine Sand	5.4
270 -	.053	Very Fine Sand	1.4

Soil Moisture Measurements

Saturated Conductivity in/hr		21.2
30 cm Moist Retention	%	12.3

Soil Pore Space

Air Filled Pore Space	%	18.9
Capillary Pore Space	%	20.1
Total Pore Space	%	39.0

Soil Density

Bulk Density	g/cc	1.64
Particle Density	g/cc	2.68

*pH (Water)	8.2
*pH (CaCl2)	7.5

VISUAL CLASSIFICATION: Medium sphericity/subangular to subrounded

* NON A2LA ACCREDITED

Client Name:	Osburn Industries	File Number :	44900
Submitted By:	Mavis Consulting, Ltd.	** Date of Analysis **	
Lab Number:	0151	Start Date :	1/31/2022
Sample Description:	HP/PEAT 81721 -	Completed :	2/3/2022