

BROOKSIDE LABORATORIES, INC.
GEOTECHNICAL DIVISION
NEW KNOXVILLE, OH 45871

**** PHYSICAL ANALYSIS REPORT ****

AT & H Industries Inc.
PO Box 38 Stn Whonnock
Maple Ridge, BC V2W 1V9

File Number: 59081

Date Received/Started : 25/10/2012
Date Completed/Reported: 29/10/2012

Submitted By: Almack Agronomic Services Inc.

Lab Number	1153
Sample Description	1.0mm GOLF SAND
	-
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

*Reported values are an average of duplicated analysis

** This report may only be reproduced in its entirety.
* These results represent the sample submitted only.*



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File Number : 59081
 ** Date of Analysis **
 Start Date : 25/10/2012
 Completed : 29/10/2012

Submitted By: Almack Agronomic Services Reviewed by:

Jackie Brackman

Lab Number 1153
 Sample Description 1.0mm GOLF SAND

Particle Size Analysis

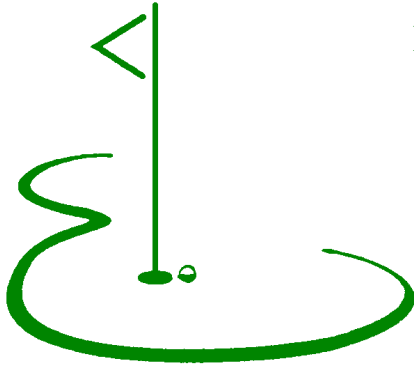
USGA Specs

Clay <.002mm	%	0.2	<= 3.0%
Silt .002mm - .05mm	%	1.1	<= 5.0%
Sand .05mm - 2.00mm	%	98.7	
Gravel > 2.0mm	%	0.0	

Org Mat (360 deg C ash) 0.25

Sand Fractions

Sieve Size		% Retained		
#	mm			
10	2.0	Fine Gravel	0.0	2.0mm <= 3.0%
18	1.0	Very Coarse Sand	1.6	2.0mm + 1.0mm <= 10%
35	.500	Coarse Sand	24.7	
60	.250	Medium Sand	69.3	0.5mm + 0.25mm >= 60%
100	.150	Fine Sand	2.9	0.15mm <= 20%
140	.106	Very Fine Sand	0.2	0.106mm + 0.053mm <= 5.0%
270	.053	Very Fine Sand	0.0	



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File Number: 59081

Date Received/Started : 25/10/2012

Date Completed/Reported: 29/10/2012

Submitted By: Almack Agronomic Services Inc.

Lab Number	1154
Sample Description	3.0mm GOLF SAND
	-
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

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AT & H Industries Inc.
 PO Box 38 Stn Whonnock
 Maple Ridge, BC V2W 1V9

File Number : 59081
 ** Date of Analysis **
 Start Date : 25/10/2012
 Completed : 29/10/2012

Submitted By: Almack Agronomic Services Reviewed by:

Jackie Brackman

Lab Number 1154
 Sample Description 3.0mm GOLF SAND

Particle Size Analysis

USGA Specs

Clay <.002mm	%	0.4	<= 3.0%
Silt .002mm - .05mm	%	1.1	<= 5.0%
Sand .05mm - 2.00mm	%	97.4	
Gravel > 2.0mm	%	1.1	

Org Mat (360 deg C ash) 0.26

Sand Fractions

Sieve Size		% Retained		
#	mm			
10	2.0	Fine Gravel	1.1	2.0mm <= 3.0%
18	1.0	Very Coarse Sand	2.8	2.0mm + 1.0mm <= 10%
35	.500	Coarse Sand	22.4	
60	.250	Medium Sand	67.8	0.5mm + 0.25mm >= 60%
100	.150	Fine Sand	3.6	0.15mm <= 20%
140	.106	Very Fine Sand	0.5	0.106mm + 0.053mm <= 5.0%
270	.053	Very Fine Sand	0.3	