



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

**** PHYSICAL ANALYSIS REPORT ****

Brightview Golf Maintenance
Glendora, CA

File Number: 87359

Date Received/Started : 2/10/2023
Date Completed/Reported: 2/14/2023
Date Issued: 2/14/2023

Submitted By: Soil and Water Consulting

Lab Number	0023
Sample Description	ANGELES NATIONAL GC GREEN 8 0-1/2"
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.18
** D60: 0.44
** Coefficient of Uniformity: 2.42

** NON A2LA ACCREDITED
** This report may only be reproduced in its entirety.
* These results represent the sample submitted only.*

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File Number : 87359
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Lab Number 0023
Sample Description ANGELES NATIONAL GC
GREEN 8
0-1/2"

Particle Size Analysis

Clay <.002mm	%	1.40
Silt .002mm - .05mm	%	6.20
Sand .05mm - 2.00mm	%	92.2
Gravel > 2.0mm	%	0.2

Org Mat 360 deg C (LOI) 3.23

Sand Fractions

Sieve Size		<u>% Retained</u>
#	mm	
10 - 2.0	Fine Gravel	0.2
18 - 1.0	Very Coarse Sand	1.1
35 - .500	Coarse Sand	22.2
60 - .250	Medium Sand	64.2
100 - .150	Fine Sand	3.3
140 - .106	Very Fine Sand	0.8
270 - .053	Very Fine Sand	0.6



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Lab Number	0024
Sample Description	ANGELES NATIONAL GC GREEN 8 1 1/2"-3
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.22
** D60: 0.52
** Coefficient of Uniformity: 2.39

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Lab Number 0024
Sample Description ANGELES NATIONAL GC
GREEN 8
1 1/2"-3

Particle Size Analysis

Clay <.002mm	%	0.50
Silt .002mm - .05mm	%	2.80
Sand .05mm - 2.00mm	%	96.7
Gravel > 2.0mm	%	0.0

Org Mat 360 deg C (LOI) 1.19

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.0
18 - 1.0	Very Coarse Sand	3.4
35 - .500	Coarse Sand	37.8
60 - .250	Medium Sand	46.8
100 - .150	Fine Sand	5.9
140 - .106	Very Fine Sand	1.7
270 - .053	Very Fine Sand	1.1



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Lab Number	0025
Sample Description	ANGELES NATIONAL GC GREEN 8 1/2"-1 1
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.18
** D60: 0.44
** Coefficient of Uniformity: 2.48

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Submitted By: Soil and Water Consulting

Lab Number 0025
Sample Description ANGELES NATIONAL GC
GREEN 8
1/2"-1 1

Particle Size Analysis

Clay	<.002mm	%	1.40
Silt	.002mm - .05mm	%	4.60
Sand	.05mm - 2.00mm	%	93.7
Gravel	> 2.0mm	%	0.3

Org Mat 360 deg C (LOI) 2.77

Sand Fractions

Sieve Size		% Retained
#	mm	
10 -	2.0	Fine Gravel 0.3
18 -	1.0	Very Coarse Sand 1.4
35 -	.500	Coarse Sand 23.8
60 -	.250	Medium Sand 60.2
100 -	.150	Fine Sand 5.8
140 -	.106	Very Fine Sand 1.7
270 -	.053	Very Fine Sand 0.7