



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 : 2/13/2023
Date Completed/Reported: 2/17/2023
Date Issued: 2/17/2023

Submitted By: Soil and Water Consulting

Lab Number	0032
Sample Description	PALACIO DEL MAR GC GREEN 7 0-1/2"
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.22
** D60: 0.69
** Coefficient of Uniformity: 3.20

** 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
** Date of Analysis **
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Lab Number 0032
Sample Description PALACIO DEL MAR GC
GREEN 7
0-1/2"

Particle Size Analysis

Clay <.002mm	%	0.80
Silt .002mm - .05mm	%	5.50
Sand .05mm - 2.00mm	%	93.4
Gravel > 2.0mm	%	0.3

Org Mat 360 deg C (LOI) 3.88

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.3
18 - 1.0	Very Coarse Sand	12.7
35 - .500	Coarse Sand	43.9
60 - .250	Medium Sand	32.0
100 - .150	Fine Sand	3.5
140 - .106	Very Fine Sand	0.9
270 - .053	Very Fine Sand	0.5



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Lab Number	0033
Sample Description	PALACIO DEL MAR GC GREEN 7 1 1/2"-3
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.26
** D60: 0.81
** Coefficient of Uniformity: 3.13

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Lab Number 0033
Sample Description PALACIO DEL MAR GC
GREEN 7
1 1/2"-3

Particle Size Analysis

Clay <.002mm	%	0.80
Silt .002mm - .05mm	%	3.40
Sand .05mm - 2.00mm	%	95.6
Gravel > 2.0mm	%	0.2

Org Mat 360 deg C (LOI) 1.67

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.2
18 - 1.0	Very Coarse Sand	23.4
35 - .500	Coarse Sand	43.4
60 - .250	Medium Sand	23.9
100 - .150	Fine Sand	3.1
140 - .106	Very Fine Sand	1.0
270 - .053	Very Fine Sand	0.8



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Lab Number	0034
Sample Description	PALACIO DEL MAR GC GREEN 7 1/2"-1 1
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.17
** D60: 0.54
** Coefficient of Uniformity: 3.14

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Brightview Golf Maintenance
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Completed : 2/17/2023

Submitted By: Soil and Water Consulting

Lab Number 0034
Sample Description PALACIO DEL MAR GC
GREEN 7
1/2"-1 1

Particle Size Analysis

Clay <.002mm	%	0.80
Silt .002mm - .05mm	%	5.30
Sand .05mm - 2.00mm	%	93.6
Gravel > 2.0mm	%	0.3

Org Mat 360 deg C (LOI) 3.40

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.3
18 - 1.0	Very Coarse Sand	9.6
35 - .500	Coarse Sand	32.7
60 - .250	Medium Sand	42.8
100 - .150	Fine Sand	5.9
140 - .106	Very Fine Sand	1.5
270 - .053	Very Fine Sand	1.1
