



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: 2/16/2023
Date Issued: 2/16/2023

Submitted By: Soil and Water Consulting

Lab Number	0017
Sample Description	MERCED G & CC GREEN 10 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: 2.47

** NON A2LA ACCREDITED
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* These results represent the sample submitted only.*

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Lab Number 0017
Sample Description MERCED G & CC
GREEN 10
0-1/2"

Particle Size Analysis

Clay <.002mm	%	0.80
Silt .002mm - .05mm	%	5.40
Sand .05mm - 2.00mm	%	93.5
Gravel > 2.0mm	%	0.3

Org Mat 360 deg C (LOI) 3.16

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.3
18 - 1.0	Very Coarse Sand	0.9
35 - .500	Coarse Sand	25.3
60 - .250	Medium Sand	58.1
100 - .150	Fine Sand	7.6
140 - .106	Very Fine Sand	1.0
270 - .053	Very Fine Sand	0.6



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Lab Number	0018
Sample Description	MERCED G & CC GREEN 10 1 1/2"-3"
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.14
** D60: 0.44
** Coefficient of Uniformity: 3.03

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Submitted By: Soil and Water Consulting

Lab Number 0018
Sample Description MERCED G & CC
GREEN 10
1 1/2"-3"

Particle Size Analysis

Clay <.002mm	%	0.50
Silt .002mm - .05mm	%	3.80
Sand .05mm - 2.00mm	%	95.2
Gravel > 2.0mm	%	0.5

Org Mat 360 deg C (LOI) 1.71

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.5
18 - 1.0	Very Coarse Sand	2.9
35 - .500	Coarse Sand	24.9
60 - .250	Medium Sand	45.5
100 - .150	Fine Sand	15.6
140 - .106	Very Fine Sand	4.3
270 - .053	Very Fine Sand	2.0



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Lab Number	0019
Sample Description	MERCED G & CC GREEN 10 1/2"-1 1/2"
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.16
** D60: 0.58
** Coefficient of Uniformity: 3.62

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Submitted By: Soil and Water Consulting

Lab Number 0019
Sample Description MERCED G & CC
GREEN 10
1/2"-1 1/2"

Particle Size Analysis

Clay <.002mm	%	0.20
Silt .002mm - .05mm	%	4.40
Sand .05mm - 2.00mm	%	95.0
Gravel > 2.0mm	%	0.4

Org Mat 360 deg C (LOI) 3.64

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.4
18 - 1.0	Very Coarse Sand	2.0
35 - .500	Coarse Sand	44.4
60 - .250	Medium Sand	34.5
100 - .150	Fine Sand	9.6
140 - .106	Very Fine Sand	3.1
270 - .053	Very Fine Sand	1.4