

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

**\*\* PHYSICAL ANALYSIS REPORT \*\***

El Dorado Golf and Beach Club  
23410 San Jose del Cabo  
BCS, MEX

File Number: 87790

Date Received/Started : 2/29/2024  
Date Completed/Reported: 3/5/2024  
Date Issued: 3/5/2024

Submitted By: Soil and Water Consulting

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Lab Number	0001
Sample Description	GREEN 1 0-6.5
Sample Condition	<u>XX</u> Normal      ___ Other (see comments)

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**Method References**

ASTM F1632  
ASTM F1647 - Method A

**D Values**

\*\* D10: 0.16  
\*\* D60: 0.44  
\*\* Coefficient of Uniformity: 2.67

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Lab Number 0001  
Sample Description GREEN 1  
0-6.5

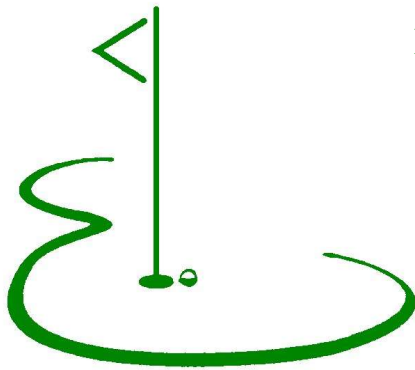
**Particle Size Analysis**

Clay	<.002mm	%	3.00
Silt	.002mm - .05mm	%	1.80
Sand	.05mm - 2.00mm	%	94.4
Gravel	> 2.0mm	%	0.8

Org Mat 360 deg C (LOI) 2.21

**Sand Fractions**

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.8
18 - 1.0	Very Coarse Sand	2.5
35 - .500	Coarse Sand	21.5
60 - .250	Medium Sand	58.6
100 - .150	Fine Sand	7.6
140 - .106	Very Fine Sand	2.4
270 - .053	Very Fine Sand	1.8



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Lab Number	0002
Sample Description	GREEN 1 BELOW 6.5
Sample Condition	<u>XX</u> Normal      ___ Other (see comments)

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**Method References**

ASTM F1632  
ASTM F1647 - Method A

**D Values**

\*\* D10: 0.12  
\*\* D60: 0.56  
\*\* Coefficient of Uniformity: 4.56

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Lab Number 0002  
Sample Description GREEN 1  
BELOW  
6.5

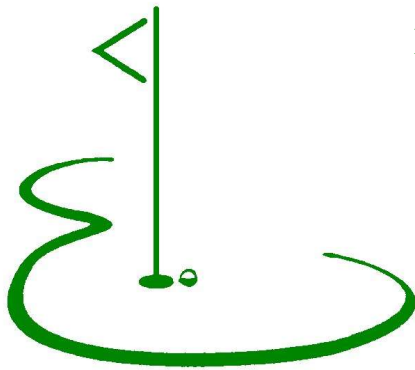
**Particle Size Analysis**

Clay	<.002mm	%	2.90
Silt	.002mm - .05mm	%	1.30
Sand	.05mm - 2.00mm	%	94.3
Gravel	> 2.0mm	%	1.5

Org Mat 360 deg C (LOI) 0.24

**Sand Fractions**

Sieve Size		% Retained
#	mm	
10 -	2.0	Fine Gravel 1.5
18 -	1.0	Very Coarse Sand 14.5
35 -	.500	Coarse Sand 27.3
60 -	.250	Medium Sand 27.8
100 -	.150	Fine Sand 15.4
140 -	.106	Very Fine Sand 5.7
270 -	.053	Very Fine Sand 3.6



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Lab Number	0003
Sample Description	GREEM 9 0-6.5
Sample Condition	<u>XX</u> Normal      ___ Other (see comments)

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**Method References**

ASTM F1632  
ASTM F1647 - Method A

**D Values**

\*\* D10: 0.12  
\*\* D60: 0.44  
\*\* Coefficient of Uniformity: 3.56

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Lab Number 0003  
Sample Description GREEM 9  
0-6.5

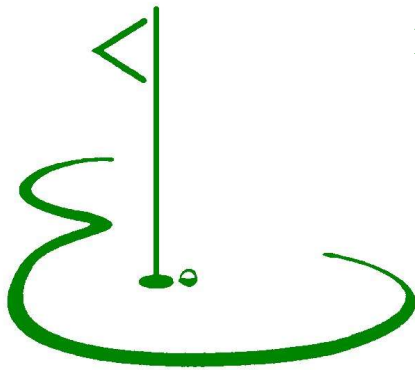
**Particle Size Analysis**

Clay	<.002mm	%	2.90
Silt	.002mm - .05mm	%	2.70
Sand	.05mm - 2.00mm	%	94.3
Gravel	> 2.0mm	%	0.1

Org Mat 360 deg C (LOI) 1.38

**Sand Fractions**

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.1
18 - 1.0	Very Coarse Sand	3.1
35 - .500	Coarse Sand	24.3
60 - .250	Medium Sand	49.3
100 - .150	Fine Sand	10.8
140 - .106	Very Fine Sand	3.7
270 - .053	Very Fine Sand	3.0



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Lab Number	0004
Sample Description	GREEM 9 BELOW 6.5
Sample Condition	<u>XX</u> Normal      ___ Other (see comments)

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**Method References**

ASTM F1632  
ASTM F1647 - Method A

**D Values**

\*\* D10: 0.11  
\*\* D60: 0.46  
\*\* Coefficient of Uniformity: 4.31

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Lab Number 0004  
Sample Description GREEM 9  
BELOW  
6.5

**Particle Size Analysis**

Clay	<.002mm	%	3.00
Silt	.002mm - .05mm	%	1.30
Sand	.05mm - 2.00mm	%	94.1
Gravel	> 2.0mm	%	1.6

Org Mat 360 deg C (LOI) 0.24

**Sand Fractions**

Sieve Size		% Retained
#	mm	
10 -	2.0	Fine Gravel 1.6
18 -	1.0	Very Coarse Sand 10.5
35 -	.500	Coarse Sand 23.4
60 -	.250	Medium Sand 29.6
100 -	.150	Fine Sand 17.1
140 -	.106	Very Fine Sand 8.0
270 -	.053	Very Fine Sand 5.5