



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

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

Diamante Cabo San Lucas  
Diamante Blvd., 23473  
Cabo San Lucas, BCS

File Number: 88340

Date Received/Started : 8/23/2022  
Date Completed/Reported: 8/25/2022  
Date Issued: 8/25/2022

Submitted By: Soil and Water Consulting

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Lab Number	0008
Sample Description	DUNES COURSE FWY #9 0-2"
Sample Condition	<u>XX</u> Normal      ___ Other (see comments)

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**Method References**

ASTM F1632  
ASTM F1647 - Method A

**D Values**

\*\* D10: 0.06  
\*\* D60: 0.39  
\*\* Coefficient of Uniformity: 6.17

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

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 Cabo San Lucas, BCS

File Number : 88340  
 \*\* Date of Analysis \*\*  
 Start Date : 8/23/2022  
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Lab Number 0008  
 Sample Description DUNES COURSE  
 FWY #9  
 0-2"

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### Particle Size Analysis

Clay <.002mm	%	4.70
Silt .002mm - .05mm	%	4.70
Sand .05mm - 2.00mm	%	89.1
Gravel > 2.0mm	%	1.5

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Org Mat 360 deg C (LOI)	5.75
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### Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	1.5
18 - 1.0	Very Coarse Sand	1.4
35 - .500	Coarse Sand	12.1
60 - .250	Medium Sand	55.8
100 - .150	Fine Sand	13.6
140 - .106	Very Fine Sand	3.5
270 - .053	Very Fine Sand	2.6

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Lab Number	0009
Sample Description	DUNES COURSE FWY #9 2"-BELOW
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: 0.35  
\*\* Coefficient of Uniformity: 3.00

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Diamante Cabo San Lucas  
 Diamante Blvd., 23473  
 Cabo San Lucas, BCS

File Number : 88340  
 \*\* Date of Analysis \*\*  
 Start Date : 8/23/2022  
 Completed : 8/25/2022

Submitted By: Soil and Water Consulting

Lab Number 0009  
 Sample Description DUNES COURSE  
 FWY #9  
 2"-BELOW

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### Particle Size Analysis

Clay <.002mm	%	3.90
Silt .002mm - .05mm	%	2.10
Sand .05mm - 2.00mm	%	93.9
Gravel > 2.0mm	%	0.1

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Org Mat 360 deg C (LOI) 0.44

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### Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.1
18 - 1.0	Very Coarse Sand	0.3
35 - .500	Coarse Sand	5.4
60 - .250	Medium Sand	58.1
100 - .150	Fine Sand	22.8
140 - .106	Very Fine Sand	4.5
270 - .053	Very Fine Sand	2.8

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