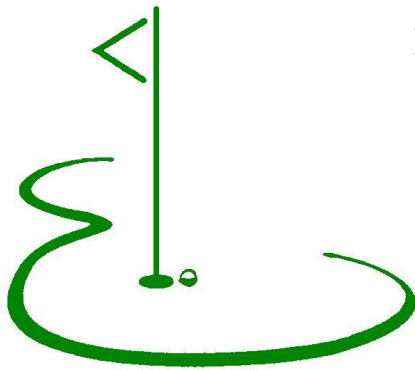




BROOKSIDE LABORATORIES, INC.
GEOTECHNICAL DIVISION
200 WHITE MOUNTAIN DRIVE
NEW BREMEN, OH 45869

**** PHYSICAL ANALYSIS REPORT ****

Tucson Country Club
2950 N. Camino Principal
Tucson, AZ 85715

File Number: 34998

Date Received/Started : 4/27/2023
Date Completed/Reported: 5/1/2023
Date Issued: 5/1/2023

Submitted By: Soil and Water Consulting

Lab Number	1006
Sample Description	50 W BUNKER SAND Q.C. #1
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.29
** D60: 0.70
** Coefficient of Uniformity: 2.37

*Reported values are an average of duplicated analysis
*Same as Lab#1007

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



Geotechnical
(Putting Green Materials)
Certificate Number: 736.01

BUNKER SAND CHARACTERIZATION

Tucson Country Club
2950 N. Camino Principal
Tucson, AZ 85715

File Number : 34998
** Date of Analysis **
Start Date : 4/27/2023
Completed : 5/1/2023

Submitted By: Soil and Water Consulting Reviewed by:

Lab Number 1006
Sample Description 50 W
BUNKER SAND
Q.C. #1

Particle Size Analysis

Clay	<.002mm	%	0.2
Silt	.002mm - .05mm	%	1.1
Sand	.05mm - 2.00mm	%	98.6
Gravel	> 2.0mm	%	0.1

Org Mat 360 deg C (LOI) 0.12

Sand Fractions

Sieve Size		% Retained
#	mm	
10 - 2.0	Fine Gravel	0.1
18 - 1.0	Very Coarse Sand	12.2
35 - .500	Coarse Sand	45.7
60 - .250	Medium Sand	38.8
100 - .150	Fine Sand	1.1
140 - .106	Very Fine Sand	0.4
270 - .053	Very Fine Sand	0.4

*COLOR 7/1 5Y LIGHT GRAY

*CRUSTING CHARACTERISTICS SLIGHT

VISUAL CLASSIFICATION Medium
sphericity/subangular
to subrounded

*BALL LIE RATING KG/CM2 2.50

*CALCIUM CARBONATE EQUIVALENT% < 1.0

Client Name: Tucson Country Club
Submitted By: Soil and Water Consulting
Lab Number: 1006
Sample Description: 50 W
BUNKER SAND
Q.C. #1

File Number : 34998
** Date of Analysis **
Start Date : 4/27/2023
Completed : 5/1/2023

