



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 : 6/26/2023
Date Completed/Reported: 6/29/2023
Date Issued: 6/29/2023

Submitted By: Soil and Water Consulting

Lab Number	1542
Sample Description	50W BUNKER SAND
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.28
** D60: 0.73
** Coefficient of Uniformity: 2.60

*Reported values are an average of duplicated analysis
SAME AS #1543

** 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 : 6/26/2023
 Completed : 6/29/2023

Submitted By: Soil and Water Consulting Reviewed by:

Lab Number 1542
 Sample Description 50W
 BUNKER
 SAND

Particle Size Analysis

Clay	<.002mm	%	0.6
Silt	.002mm - .05mm	%	2.5
Sand	.05mm - 2.00mm	%	96.4
Gravel	> 2.0mm	%	0.5

Org Mat 360 deg C (LOI) 0.16

Sand Fractions

Sieve Size		% Retained
#	mm	
10 -	2.0	Fine Gravel 0.5
18 -	1.0	Very Coarse Sand 15.6
35 -	.500	Coarse Sand 43.5
60 -	.250	Medium Sand 34.4
100 -	.150	Fine Sand 1.5
140 -	.106	Very Fine Sand 0.7
270 -	.053	Very Fine Sand 0.7

*COLOR 7/1 10YR 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: 1542
Sample
Description: 50W
BUNKER
SAND

File Number : 34998
** Date of Analysis **
Start Date : 6/26/2023
Completed : 6/29/2023

