



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

**** PHYSICAL ANALYSIS REPORT ****

The Summit
Las Vegas, NV

File Number: 73668

Date Received/Started : 9/13/2016
Date Completed/Reported: 9/14/2016

Submitted By: Soil and Water Consulting

Lab Number	1682
Sample Description	90/10 Greens-mix
	4500
	TONS
Sample Condition	<u>XX</u> Normal ___ Other (see comments)

Method References

ASTM F1632	0.18
ASTM F1647 - Method A	0.60
ASTM F1815	

*Reported values are an average of duplicated analysis

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



Geotechnical
(Putting Green Materials)
Certificate Number: 736.01

GREENMIX QUALITY CONTROL

The Summit
Las Vegas, NV

File Number : 73668
** Date of Analysis **
Start Date : 9/13/2016
Completed : 9/14/2016

Submitted By: Soil and Water Consulting Reviewed by:

Jackie Brackman

Lab Number 1682
Sample Description 90/10 Greens-mix
4500
TONS

Particle Size Analysis**USGA Specs**

Clay & Silt	<.05mm	%	3.20	<= 8.0%
Sand	.05mm - 2.00mm	%	96.8	94 - 100%
Gravel	> 2.0mm	%	0.0	

Org Mat 360 deg C (LOI) 0.74

Sand Fractions

Sieve Size		% Retained	
#	mm		
10 - 2.0	Fine Gravel	0.0	2.0mm <= 3.0%
18 - 1.0	Very Coarse Sand	8.6	2.0mm + 1.0mm <= 10%
35 - .500	Coarse Sand	39.4	
60 - .250	Medium Sand	34.2	0.5mm + 0.25mm >= 60%
100 - .150	Fine Sand	10.5	0.15mm <= 20%
140 - .106	Very Fine Sand	3.0	0.106mm + 0.053mm <= 5.0%
270 - .053	Very Fine Sand	1.1	

Soil Moisture Measurements

Saturated Conductivity in/hr 11.8