



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

**** PHYSICAL ANALYSIS REPORT ****

Brightview Golf Maintenance
Glendora, CA

File Number: 87359

Date Received/Started : 2/13/2023
Date Completed/Reported: 2/16/2023
Date Issued: 2/16/2023

Submitted By: Soil and Water Consulting

| | |
|--------------------|--|
| Lab Number | 0238 |
| Sample Description | PW GILLIBRAND #30 SAND |
| Sample Condition | <u>XX</u> Normal ___ Other (see comments) |

Method References

ASTM F1632
ASTM F1647 - Method A

D Values

** D10: 0.15
** D60: 0.42
** Coefficient of Uniformity: 2.76

*Reported values are an average of duplicated analysis

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



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Particle Size Analysis

USGA Specs

| | | | |
|---------------------|---|------|---------|
| Clay <.002mm | % | 0.7 | <= 3.0% |
| Silt .002mm - .05mm | % | 0.7 | <= 5.0% |
| Sand .05mm - 2.00mm | % | 98.6 | |
| Gravel > 2.0mm | % | 0.0 | |

Org Mat 360 deg C (LOI) 0.11

Sand Fractions

| Sieve Size | | % Retained | |
|------------|------------------|------------|---------------------------|
| # | mm | | |
| 10 - 2.0 | Fine Gravel | 0.0 | 2.0mm <= 3.0% |
| 18 - 1.0 | Very Coarse Sand | 0.0 | 2.0mm + 1.0mm <= 10% |
| 35 - .500 | Coarse Sand | 23.9 | |
| 60 - .250 | Medium Sand | 53.5 | 0.5mm + 0.25mm >= 60% |
| 100 - .150 | Fine Sand | 13.1 | 0.15mm <= 20% |
| 140 - .106 | Very Fine Sand | 6.5 | 0.106mm + 0.053mm <= 5.0% |
| 270 - .053 | Very Fine Sand | 1.6 | |