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20980/1		Test Result		USGA Criteria (for Greens)	USGA PREMIXED ROOTZONE 30cms Tension Test Report Number 20980/A Page 2 of 2
HIGH		0.4		ZERO	Coarse Gravel Criterion
in range		5.2		≤ 10%	Fine Gravel / Very Coarse Sand Criterion
LOW		59.7		≥ 60%	Coarse / Medium Sand Criterion
HIGH		23.0		≤ 20%	Fine Sand Criterion
HIGH		8.0		≤ 5%	Very Fine Sand Criterion
in range		3.0		≤ 5%	Silt Criterion
in range		0.7		≤ 3%	Clay Criterion
HIGH		11.7		≤ 10%	Total Fines Criterion
in range		2.87		1.8 – 3.5	Uniformity Coefficient Criterion
in range		159.0		> 150mm/hr	Saturated Hydraulic Conductivity Criterion
in range		39.7		35-55%	Total Porosity Criterion
in range		18.6		15-30%	Air-filled Porosity Criterion
in range		21.1		15-25%	Water-filled Porosity Criterion
The above classifications state the numerical status (only) of the sample according to the USGA criteria. The classifications do not imply any statement or opinion by ETL regarding the sample. A tabulation of the USGA Criteria is available on request from ETL.					

Angularity codes: VA, very angular; A, angular; SA, sub-angular; SR, sub-rounded; R, rounded; WR, well rounded.
Sphericity codes: H, high; M, medium; L, low

ASTM Method: F1815-11 (Reapproved 2018)
“Saturated Hydraulic Conductivity, Water Retention, Porosity, and Bulk Density of Athletic Field Rootzones”

ASTM Method: D4972-19 (Method A)
“pH of Soils”

ASTM Method: D5550-23
“Specific Gravity of Soil Solids by Gas Pycnometer”

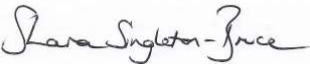
ASTM Method: F1647-11a (Method A) (Reapproved 2018)
“Organic Matter Content of Athletic Field Rootzone Mixes”

ASTM Method: F1632-03 (Reapproved 2018)
“Particle Size Analysis and Sand Shape Grading of Golf Course Putting Green and Sports Field Root Zone Mixes”

These results refer only to the samples provided. No guarantee is given that they are representative of the bulk material.
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Approved by: 

Date: 8th March 2024

Managing Director, for European Turfgrass Laboratories Ltd