

20980/1	USGA PREMIXED ROOTZONE		
	30cms Tension		
	Test Report	Number 20980/A	Page 1 of 2
100%			Blend 82 - 80/20 Rootzone
04/03/24			Sample Received Date & Sample Test Date
moist			Sample Moisture (very wet, wet, moist, dry, n/a)
friable			Sample Consistency (hard, friable, plastic, n/a)
medium			Sample Homogeneity (high, medium, low, n/a)
			Particle Size Distribution – ASTM F1632-03 (Reapproved 2018)
SA			Angularity (VA, A, SA, SR, R, WR, n/a)
M			Sphericity (H, M, L, n/a)
% Retained			
0.4			% Material greater than 3.4 mm
0.5			% Fine Gravel 2 to 3.4 mm
4.7			% Very Coarse Sand 1 to 2 mm
20.7			% Coarse Sand 0.5 to 1 mm
39.0			% Medium Sand 0.25 to 0.5 mm
23.0			% Fine Sand 0.15 to 0.25 mm
8.0			% Very Fine Sand 0.05 to 0.15 mm
3.0			% Silt 0.002 to 0.05 mm
0.7			% Clay less than 0.002 mm
5.6			% greater than 1mm
59.7			% Coarse + Medium Sand
23.0			% Fine Sand
11.7			% Fines less than 0.15 mm
2.87			Uniformity Coefficient (D ₆₀ /D ₁₀)
			SHC, Densities & Porosities – ASTM F1815-11 & D5550-23
159.0			Saturated Hydraulic Conductivity (mm/hr)
2.638			Particle Density (g/cc)
1.59			Bulk Density (g/cc)
39.7			Total Porosity (%v/v)
18.6			Air-filled Porosity (%v/v @ 30 cm tension)
21.1			Water-filled Porosity (%v/v @ 30 cm tension)
13.3			Water Retention (%w/w @ 30 cm tension)
			pH – ASTM D4972-19 (Method A)
8.19			pH (Distilled Water)
7.44			pH (Calcium Chloride)
app. 1%			% Lime Content (Acid Reaction) **
			Organic Matter – ASTM F1647-11a (Method A)
0.22			Organic Matter (%w/w)