



Chemical Analysis

Orchid Mix

pH ⁽¹⁾: **5,5-6,5**
 EC ⁽¹⁾: **0,9-1,5** mmhos/cm

S.M.E. ANALYSIS ⁽¹⁾ Concentration in ppm											
N-NO ₃	N-NH ₄	P	K	Ca	Mg	Na	Zn	Mn	Cu	Fe	B
0	4	1	76	61	11	12	0,06	0,35	0,02	0,40	0,01

Physical Analysis

PARTICLE SIZE ANALYSIS ⁽³⁾							
	Coarse			Medium		Fine	
#US	1/4	5	10	20	50	100	Pan
mm	6.35	4.00	2.00	0.85	0.3	0.15	
	84	9	4	0	0	1	1

BULK DENSITY ⁽⁴⁾	WATER CONTENT ⁽⁴⁾	ORGANIC MATTER ⁽⁵⁾	WATER RETENTION ⁽⁴⁾	POROSITY ⁽⁴⁾	AIR SPACE ⁽⁴⁾
(g/L)	% (W/W)	% (W/W)	% (V/V)	% (V/V)	% (V/V)
168	5	NA	20	66	46

Components

Peat Moss Chunks
Charcoal
Lava Rock
Red Pine Bark

Available Sizes

Loose Fill	3.5 Qts	X
	8 Qts	
	10 Qts	
	16 Qts	
	25 Qts	
	32 Qts	
	50 Qts	
	1 ft ³	
	2 ft ³	
	3 ft ³	
60 ft ³		

Compressed	1 peck	
	3 peck	
	1 ft ³	
	1.5 ft ³	
	2.2 ft ³	
	3.8 ft ³	
	5.5 ft ³	
	6.0 ft ³	
55 ft ³		

Methods:

- (1) Saturated Paste Method
- (2) CPVQ Method Agdex 533 CEC-2
- (3) CPVQ Method Agdex 533
- (4) NCSU Porometer Procedures
- (5) CPVQ Method Agdex 533 MA-2