Analysis Services

Our multidisciplinary team is at your service and can conduct a wide range of tests including:

SME (Saturated Media Extract) analysis,
Water/Nutrient solution analysis,
Complete physical characterization,
Tissue analysis,
Microbiological analysis
and much more!

1-800-463-5582
berger.ca

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BM 1

Nutrient Holding

Technical Data Sheet

Available Sizes

Size	Approx. volume (loose)				Qty./pallet	Approx. weight/unit			
	cu. ft.		liters			lbs		kg	
	Min.	Max.	Min.	Max.		Min.	Max.	Min.	Max.
3 ft³ (loose)	3.05	3.25	86.4	92.0	54	23.6	39.9	10.7	18.1
3.8 ft³ (compressed)	7.5	7.8	212	221	30	54.7	84.2	24.8	38.2
75 ft³ (loose)	71	79	2011	2237	2	584	1025	265	465
110 ft³ (compressed)	215	225	6088	6371	1	1642	2524	745	1145

NOTES

Products Codes

1020203 - BM1 GEN. PURPOSE 3CFTL	8020138 - BM1 HEAT TREATED 3.8 CFT
1020138 - BM1 GEN. PURPOSE 3.8 CFT	
1070165 - BM1 GEN. PURPOSE 75CFTL	
1070199 - BM1 GEN. PURPOSE SKY	

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Technical Data Sheet

BM 1

Nutrient Holding
BM1-01 v05: 2018-06-04

Chemical Characteristics (S.M.E. METHOD)

ELEMENT	RANGE	
	Min.	Max.
pH *	5.4	6.2
E.C. (mmhos/cm)	0.75	1.60
Nitrate – NO3 - (ppm)3	30	86
Ammonium – NH4+ (ppm)	0	20
Phosphorus – P (ppm)	4	24
Boron – B (pm)	0.05	0.44
Potassium – K (ppm)	30	98
Sodium – Na (ppm)	0	28
Calcium – Ca (ppm)	72	187
Magnesium – Mg (ppm)	23	61
Copper – Cu (ppm)	0.00	0.30
Manganese – Mn (ppm)	0.20	1.10
Iron – Fe (ppm)	0.50	2.20
Zinc – Zn (ppm)	0.10	0.90
Aluminium – Al (ppm)	0.00	0.80
Molybdenum – Mo (ppm)	0.00	0.06
Sulfate – SO42 - (ppm)	N/A	N/A
SAR	---	< 5

* Incubated 7 days pH
** Based on 6-inch pots

Components % vol.

Coarse Peat Moss	81.25
Horticultural Perlite	13.75
Horticultural Vermiculite	5
Dolomitic Lime	< 1
Calcitic Lime	< 1
Non-Ionic Wetting Agent	< 1
Starter Charge	< 1
Upon request	
Controlled Release Fertilizer	
RootshieldTM	

Physical Characteristics

	Min.	Max.
Dry density (g/l)	75	100
Bulk Density (lbs/cft)	8	11
Moisture content (%)		
Loose	52	55
Compressed	43	46
Water retention(x dry weight)	8	11
Air space**	17	25
Coarse fiber > 10 mesh	30	40

Note: Approximated ranges. The values listed are for informational purposes and may, in no circumstances, be used as collateral.