



## 70mm/hr Bioretention Blend

*This blend was developed to provide optimal growing conditions in Bioretention areas for Perennials, Shrubs and Trees while providing for predictable infiltration. This blend meets the Calgary 70mm/hr standards*

### SPECIFICATIONS

parameter	result	method
Plant Material	Perennials, shrubs, trees and Turf	N/A
Composition	Loam, coarse sand and compost	
Soil Textural Class	Loam	USDA Handbook 60
Particle Size	Sand-65%, Silt-20%, Clay-15%	ASTM F1632 B
pH	7-7.5	
Infiltration Rate	70-80mm/hr	K-SAT modified proctor at
Infiltration Rate	2.75-3.14 in/ hr	K-SAT modified proctor at
Organic Matter %	2-4%	ASTM D2974 C
Cation Exchange	18-22	CEC
Soluble Salts	0.4-1.0	SSE
Dry Matter %	96-98%	ASTM D2974 C
Phosphorus, P	15-20 ppm	Saturated Paste Method
Potassium, K	200-300 ppm	Saturated Paste Method
Magnesium, Mg	300-400 ppm	Saturated Paste Method
Calcium, Ca	2500-3000 ppm	Saturated Paste Method
Sulfur, S	20-30 ppm	Saturated Paste Method
Zinc, Zn	1-4 ppm	Saturated Paste Method
Manganese, Mn	4-10 ppm	Saturated Paste Method
Iron, Fe	25-75 ppm	Saturated Paste Method
Copper, Cu	1-2 ppm	Saturated Paste Method
Nitrate, NO <sub>3</sub>	20-50 ppm	Saturated Paste Method
Sodium, Na	70-80 ppm	Saturated Paste Method
Sodium Absorption Ratio	0.5-3.0 meq/L	USDA Handbook 60
Electrical Conductivity, EC	0.5-2 mmhos/cm	Saturated Paste Method

Product available in Bulk or Bagged in totes

Results reported on a dry weight basis - The Above results relate to the individual sample submitted and analysed on DATE.  
We strive to maintain high quality and consistency of product these results are to be used as a guideline.  
Actual product may vary.If you require a current analysis please let us know.