

## BIOFILTER

- \* HIGH IN PERMEABILITY
- \* NUTRIENT RICH
- \* SANDY TEXTURE
- \* MODERATE pH

### TYPICAL ANALYSIS

Sand.....	88 %
Silt.....	7 %
Clay.....	5 %
USDA Classification.....	Loamy Sand
Moisture.....	13.5 %
Organic Matter (OM).....	2.5% +
pH.....	6.5-7.5
Estimated Nitrogen Release (ENR).....	90 lbs/A
Phosphorus (P).....	49 ppm
Potassium (K).....	69 ppm
Magnesium (Mg).....	82 ppm
Calcium (Ca).....	745 ppm
Sodium (Na).....	78 ppm
Sulfur (SO4-S).....	34 ppm
Zinc (Zn).....	5.4 ppm
Manganese (Mn).....	82 ppm
Iron (Fe).....	177 ppm
Copper (Cu).....	1.3 ppm
Boron (B).....	1.0 ppm
Soluble Salts.....	0.4 ms/cm
Acidity (H).....	0.6 meq/100g
Cation Exchange Capacity (CEC).....	5.2meq/100g

### GENERAL INFORMATION

Composition	ASTM, C-33 Sand Organic Compost Specified Topsoil
Bulk Density*	1.4 tons/yd <sup>3</sup>
Textural Classification	Loamy Sand
Organic Matter	2.5% and higher
pH	6.5-7.5
Maximum Particle Size	6 mm

\*Rate prior to compaction

### TYPICAL SIEVE ANALYSIS

	(% passing)
6.00 mm.....	100.0 %
4.75 mm.....	99.4 %
2.36 mm.....	91.1 %
1.18 mm.....	75.1 %
0.60 mm.....	55.0 %
0.30 mm.....	29.1 %
0.15 mm.....	19.6 %
0.075 mm.....	14.6 %



## APPLICATION

For use in bioretention basins and other bioremediation projects where a sandy topsoil is required. Luck Biofilter has many of the same qualities as our Premium Topsoil, but with a sandier texture that allows it to drain more readily. Use as a high-sand Rootzone for high end athletic field construction.

For more information on Luck Specialty Products, please visit [specialty.luckstone.com](http://specialty.luckstone.com).

These products are mixes of natural materials, so results may vary.