

# Fiber-Max™



## Microbiological Odor-Control Solution

FOR BIO-SCRUBBERS® AND BIO-FILTERS

### MEDIA INSTALLATION CRITERIA

Media shall be wetted to achieve a moisture content between 40% – 60%. Machinery and/or other equipment shall not be allowed on the media at any time. The influent air stream shall have a necessary food source with a minimum of 98% relative humidity supplied either internally or externally from the biofilter.

### PRIOR TO SHIPMENT

Media shall be wetted, then mixed with 1% – 2% GES Gro-Max.

The **FIBER-MAX™** media used in the Biofilter serves as part of the ecosystem for a naturally occurring selection of fungal and bacterial microorganisms for the capture and degradation of organic compounds and odors. The media is a fibrous cellular substrate material manufactured from natural sources.

FIBER-MAX™ is manufactured only from trees and large tree branches. No yard/construction/demolition waste or commercial wood-based materials are used. No eucalyptus, cedar, redwood, or any other trees having a known inhibitor or germicidal effect on microorganisms are used. The media shall have a proven reliability record for biological growth with a minimum of 500,000 cubic feet installed.

### MEDIA COMPOSITION

The fibrous cellular materials to be used in the biofilter media shall be chip or abraded to supply an air-filled pore space of 35 – 55% with ample surface area for microorganisms to reside. The media shall be cleaned and screened so that leaves, needles, grass and other undesirable materials shall be limited to less than 0.5% of the total media weight. The media sizing shall consist of natural shredded wood with the particle sized to the following:

<b>LESS THAN 1 IN</b>	MAX 5%
<b>1 – 3 IN</b>	MAX 20%
<b>3 – 6 IN</b>	MAX 60%
<b>GREATER THAN 6 IN</b>	MIN 15%

All above % 2%

### MEDIA ANALYSIS

As part of the biofilter media quality assurance and quality control procedures, the biofilter media is analyzed for unwanted contaminants and conditions. GES Biofilter Media meets the following parameters:

<b>SP</b>	1/2" OR LESS PER FOOT
<b>PH</b>	5.5 TO 8.0
<b>SOLUBLE SALTS</b>	LESS THAN 5.0 MS/CM
<b>SODIUM</b>	LESS THAN 100 MG/KG
<b>POTASSIUM</b>	LESS THAN 50 MG/KG
<b>LEAD</b>	LESS THAN 10 MG/KG
<b>COPPER</b>	LESS THAN 40 MG/KG
<b>ZINC</b>	LESS THAN 40 MG/KG
<b>MERCURY</b>	LESS THAN 0.1 MG/KG
<b>ARSENIC</b>	LESS THAN 0.2 MG/KG



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