

# Crater-Max<sup>®</sup>



## Microbiological Odor-Control Solution

FOR BIO-SCRUBBER<sup>®</sup> AND BIO-FILTERS

### SPECIFICATIONS

**Unit Weight (Dry)**

50.8 lb/ft<sup>3</sup> (Voids: 45.2%)

**Unit Weight**

**(Saturated Surface Dry)**

59.1 lb/ft<sup>3</sup> (Voids: 36.3%)

**Specific Gravity**  
**(Oven Dry Basis)**

1.486

**Specific Gravity**  
**(Saturated Surface Dry)**

1.705

**Percentage Adsorption**

14.7%

**Timeline of Demarcation**  
**Form Line of Sediment**

180 min

**Sediment Height Reading**

0.1 in

**Durability Index**

96

The porous **Crater-Max<sup>®</sup>** media used in the Bio-Scrubber<sup>®</sup>/Bio-Filter serves as part of the ecosystem for the growth of acidithiobacillus thiooxidans microorganisms. Crater-Max<sup>®</sup> media also contains the necessary iron content that, in a low pH environment, will create a chemistry of iron ions to support a colony of acidithiobacillus ferrooxidans microorganisms. The media shall be of the type that the surface openings are not through-and-through, therefore eliminating any increase in static pressure over time due to the fouling of the pore structure.

The Crater-Max<sup>®</sup> media shall be manufactured by GES Biotek, LLC. The porous media shall have a proven reliability record for biological growth with a minimum of 1,000,000 cubic feet installed over a five-year period, with at least five separate projects, based on actual installations in a low pH sulfuric application without degradation. The media utilized shall be acid tested and crushed, using no aggregate larger than 3" in diameter, ensuring a uniform surface area of a minimum of 10,000 square feet per cubic foot of media.

### SCREENING & GRADING: 2 1/2" - 4 1/2"

Sieve Size	3"	2 1/2"	2"	1 1/2"	1"	3/4"	1/2"	3/8"
Percentage Passing	100	100	96.0	77.5	16.5	2.3	1.5*	1*

\* The base lower sieve size screen is set at 3/4" in size. The sieve size percentage passing of 1/2" and 3/8" is mainly breakage of the media from handling, loading, unloading, and shipping of the of the media.

GES Biotek manufactures engineered nutrient-rich open-cell substrate from recycled glass material that would otherwise end up in a landfill. This continues our commitment to provide green product solutions for the next generations' demands—solutions that are good for people, good for the environment, and good for the planet.

GES Biotek is pleased to offer site-specific media selection and design support to create the ideal green environment for your application.



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