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## PRODUCT SPECIFICATIONS SHEET

### Accelobac® AGS

**Description:** Accelobac® AGS is biologically active products designed to reduce sludge accumulation in aquatic environments for fish, crustaceans, and prawns. Designed to liquefy and digest organic materials formulated with strains of *Bacillus subtilis*, *Bacillus licheniformis*, *Bacillus polymxa*, and *Aspergillus oryzae* on a water soluble maltodextrin carrier.

#### Usage Rates:

AREA	DOSAGE	TREATMENT
Grease Traps	4 oz. each 5 gal. capacity	First Week
Laundry Drains	4 oz. with water	Twice weekly
Kitchen Drains	4 oz. with water	Twice weekly
Toilets	2 oz.. with water	Weekly
Lagoons	15-25 lb. per acre surface	Weekly
Municipal	25-50 lb. per MGD flow	Daily first week
	3-6 lb. per MGD flow	Maintenance
Sludge Digesters	2 lbs. per 2,000 cu. Ft.	Twice Weekly

**Minimum Bacterial Counts:** Minimum of 2 billion CFU/gram of aerobic and anaerobic spores.

#### Enzyme Activity:

Cellulase	1,500 CU/g
Protease	1,150 PC/g
Amylase	500 BAU/g
Lipase	25 FIP units/g

#### Unit Definitions:

**Cellulase** - One cellulase unit (CU) is defined as the amount of activity that will produce a relative fluidity change of 1 in 5 minutes in a defined carboxymethyl cellulose substrate under the conditions of the assay (pH4.5 and 40°C).

**Protease**- One bacterial protease unit (PC) is defined as that quantity of enzyme that that produces the equivalent of 1.5 mg per mL of l-tyrosine per minute under the conditions of the assay.

**Bacterial Amylase** - One bacterial amylase unit (BAU) is defined as that quantity of enzyme which will dextrinize one milligram of starch per minute at pH 6.6 and 30°C.

**Lipase**- One unit of enzyme activity (FIP Unit) is defined as that quantity of a standard lipase preparation (Fungi Lipase-International FIP Standard) that liberates the equivalent of 1µmol of fatty acid per minute from the *Substrate Emulsion* under the described assay conditions.

**Storage Conditions:** For optimal activity store in cool dry place under 100°F. Standard shelf life under these conditions is 18 months.

**Danger:** May cause allergy or asthma or breathing difficulties if inhaled. Avoid breathing dust/fume/gas/mist/vapors/spray. In case of inadequate ventilation, wear respiratory protection. Consult safety data sheet before handling and storing this product.

**Package Sizes:** Powder - 25 kg. and 50 lb. boxes