

# Aquapure™ Bio 50

**Aquapure Bio 50** is a blend of naturally occurring, non-altered microorganisms and growth stimulants formulated to efficiently degrade carbohydrates, proteins, and fats (FOG). The bacteria in Aquapure Bio 50 produce multiple types of enzymes such as Protease, Amylase, Esterase, Urease, Cellulase, Xylanase, and Lipase to break down waste products associated with meat processing, dairies, vegetable packing, fruit processing and carbohydrate processing facilities. Aquapure Bio 50 contains aerobic as well as facultative bacteria to work in anoxic conditions. Use of Aquapure Bio 50 will increase biological activity, improve biomass flocculation, enhance nitrogen and phosphorous removal as well as improve odor thru reduction of BOD and TSS.

## Features & Benefits

|   |   |
|---|---|
| Improves biomass  | Produces multiple enzymes needed for reducing BOD and TSS |
| Breaks down waste from food packing and meat processing | Breaks down: carbohydrates, proteins, and fats            |
| Contains aerobic and facultative bacteria               | Works in aerobic as well as anoxic conditions             |

## Typical Applications

Food Processing & Beverage Industries:

- Rendering Plants
- Breweries
- Fruit and Vegetable processing
- Joint Municipal/ Industrial WWTP

## Physical Data

|                  |  |
|------------------|--|
| Product          | Dormant bacterial cultures and micro-nutrients |
| Viability        | Minimum 4 billion CFU/g                        |
| Form             | A dry, free flowing powder                     |
| Color            | Beige to light brown                           |
| Specific gravity | 0.50 – 0.70                                    |

## Operating Conditions

Product may be added directly to aeration tank, lagoon, or oxidation ditch. For trickling filters, it is best to pre hydrate product by adding 2 pounds per 1 gallon of 20°C to 30°C non-chlorinated water. Allow solution to stand for 30 minutes to 1 hour before adding to trickling filter.

|                   |                           |
|-------------------|---------------------------|
| pH                | 4.50 – 10.0               |
| Temperature       | 5°C – 55°C (40°F – 130°F) |
| PO <sub>4</sub>   | 2 mL min                  |
| NH <sub>3</sub> N | 2 mL min                  |

Do not use in environments where high levels of toxic metals such as zinc, chrome, mercury, are known to exist.

### Availability

Product is available in 25 lb plastic pails or 100 lb fiber drums. Product may be packaged in 1 lb water-soluble packs for an additional charge.

## Caution

Store product in a dry place between 21°C to 27°C. If product becomes wet, it must be used immediately. DO NOT FREEZE.

**WARRANTY:** THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.

## Our People. Your Problem Solvers.

For more information on this process,  
 please call us at 203.756.5521 or email: [techservice@hubbardhall.com](mailto:techservice@hubbardhall.com)

Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**<sup>136</sup>.