



AOXY ZYMETM

Enzymes for biological Wastewater Treatment

Our **AOXY ZYME** is a specially formulated blend of robust micro organisms with content of macro and micro nutrients exclusively containing, selected strains of bacteria which can grow over a wide temperature range between 10°C and 55°C deg. Our **AOXY ZYME** when added to wastewater treatment system, immediately begins to secrete enzymes that digest, break and decompose fats, proteins, starch and other unwanted organic substance in to simple compounds. The environmentally harmless microbes rapidly surfactant the area, effectively multiply and colonize the effluent system, thereby restoring its biological environment to continue cleaning the entire wastewater.

Our **AOXY ZYME** effectively break down the organic waste and by which BOD & COD level of wastewater is significantly reduced so that the odor is effectively controlled and colour of the effluents is changed.

We are manufacturing several formulated enzymes for different kind of effluents in various type of industries and Municipal liquid & solid waste management systems.

OUR **AOXY ZYME** IS APPLIED IN FOLLOWING TYPE OF INDUSTRIES :

- ❖ Paper Industries
- ❖ Textile Dye Industry
- ❖ Pharmaceutical Industry
- ❖ Breweries & Distilleries Industry
- ❖ Rubber Industries
- ❖ Tannery Industry
- ❖ Dairy Industries
- ❖ Seafood & Fish Meal Industries
- ❖ Municipal & Industrial Waste
- ❖ Aqua culture industries

OUR PRODUCTS

AOXY ZYME - L 200	TANNERY EFFLUENT TREATMENT
AOXY ZYME - T 201	TEXTILE EFFLUENT TREATMENT
AOXY ZYME - D03	DYE WASTEWATER TREATMENT
AOXY ZYME - DM	MILK DAIRY WASTEWATER TREATMENT
AOXY ZYME - FM	FISH MEAL WASTEWATER TREATMENT
AOXY ZYME - SD	SEA FOODS WASTEWATER TREATMENT
AOXY ZYME - PD	PAPER MILLS WASTEWATER TREATMENT
AOXY ZYME - PHD	PHARMACEUTICAL WASTEWATER TREATMENT
AOXY ZYME - BI73	PETROLEUM & REFINERS WASTEWATER TREATMENT
AOXY ZYME - 9ET3	ENGINEERING INDUSTRIES WASTEWATER TREATMENT
AOXY ZYME - 5B2	FOOD INDUSTRIES & BEVERAGE INDUSTRIES WASTEWATER TREATMENT
AOXY ZYME - SE100	SEWAGE WASTEWATER TREATMENT(STP)
AOXY ZYME - LX 345	RUBBER LATEX WASTEWATER TREATMENT
AOXY ZYME - SW	MUNICIPAL SOLID WASTE MANAGEMENT
AOXY ZYME - DOF	INCREASE THE DO LEVELS IN THE AEROBIC SYSTEM
AOXY ZYME - SR	CONTROL ODOR IN THE WASTEWATER SYSTEMS
AOXY ZYME - BIOREIX	BOOSTING AGENT FOR MICROBS



PRODUCT SPECIFICATIONS

- ❖ **APPEARANCE** : Medium tan flowing powder with fermented odor.
- ❖ **LIFE TIME** : Minimum Two years from the date of manufactured.
- ❖ **TO BE KEPT IN** : Dry place and free from direct sunlight.

BACTERIAL TYPES CONTAIN IN OUR **AOXYZYME**

PSEUDOMONAS	ROTIFERA
NITROSOMONES	LACTICACID BACTERIA
NIROBACTOR	ACTIONOMYCETES
NITROCOCCUS	

BACTERIAL COUNTS

Aerobic bacteria	: min 1.5 billion colonies/gm
Anaerobic bacteria	: min 2.5 billions colonies/gm
Facultative bacteria	: min 2.0 billions colonies/gm
Total plate count	: min 6.0 billions colonies/gm

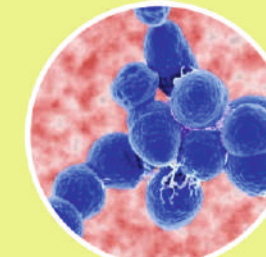
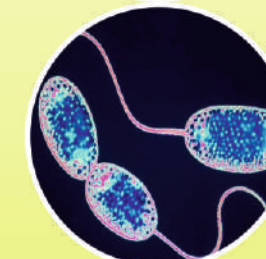
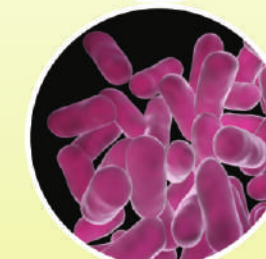
* Percentage of Bacterial count may vary depends upon our various products

DOSAGE

Normally initial dosage of our **AOXY ZYME** is 800 grams per 100 KLD wastewater.

Regular Dosage : 200 grams per 100 kld wastewater.

* dosage may vary depends upon the BOD & COD levels of wastewater.





METHOD OF DOSING

800 gms of **AOXY ZYME** is diluted to 100 litres of chlorine free water and soaked for 2 hours and add in the wastewater treatment system gradually.

PLACES WHERE **AOXY ZYME** TO BE USED

- ❖ Oxidation ponds
- ❖ Anaerobic tank
- ❖ Aerobic tank
- ❖ Digesters
- ❖ Trickling filters
- ❖ Sludge beds or pits
- ❖ Collection tank

ADVANTAGE OF OUR **AOXY ZYME**

- ❖ Reduction of odor and colour upto 95%, by reduction of ammonia cal nitrogen.
- ❖ Reduction of sludge volume.
- ❖ Reduction of cost in operating Effluent Treatment Plant & Sewage Treatment Plant.
- ❖ Reduction of BOD & COD level upto 95%.
- ❖ Maintaining optimum level of MLSS & MLVSS .
- ❖ Improvement of nitrification and denitrification process.
- ❖ Bacterial oxidation of the liquid phase is faster and more easy.
- ❖ Easy to handle toxic & shock loads in the treatment plant.
- ❖ Helps to enhance better food microorganisms ratio.
- ❖ The capacity of the system is effectively increased because more waste can be processed, more effectively in lesser time.

Enviro biotic care

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The Enzyme for Biological Wastewater Treatment



Waste Water Treatment



Textile Industry



Paper Industry



Leather Industry



Municipal & Industrial Waste



Sea Food & Fish Meal Industries

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