

Petronet BioGas®

Increase of Biogas production



Specific biological promoter to optimize the performance of dry or wet phase in anaerobic digesters.

It acts by favoring the rapid hydrolysis of the organic chains, breaking them and multiplying the presence of glucose molecules that produce an increase in the production of methane gas of around 15-20%.

At the same time, decrease the presence in the compost of undigested vegetables in the process.

PHYSICAL PROPERTIES:

- Appearance: granular powder.
- Humidity: 4-5%.
- PH in solution: $7 \pm 0,5$.
- Color: gray.

COMPOSITION:

- Selected specific aerobic bacterial strains.
- Yeasts.
- Vegetal extracts.
- Carbohydrates, amino acids and oligopeptides.
- Absorbent mineral biocatalysts.

GMO Free (Genetically Modified Organisms).

The microorganisms of the compound belong to the group of first class according to the board directive 93/88 / EEC of 10/12/1993.

The bacterial strains used are not included in the list of biological agents classified in Appendix XLVI of Law 81/2008.

Petronet Biogas® does not contain any agent that can cause diseases to people, animals or plants.

USE AND DOSAGE:

- DRY PHASE DIGESTORS: Petronet BioGas® must be applied by the SDU*, device that activates and doses the Active Product directly on the organic material feed line to the primary digester.
- HUMID PHASE DIGESTORS: Petronet BioGas® can be applied directly to the biological lagoons prior to entering digesters.
- DOSAGE: will be determined by the technicians of Amapex Environment, previous study of the characteristics of the digester and the incoming materials.

INDICATIONS:

Petronet BioGas® is a compound based on aerobic microorganisms; for proper operation it is necessary to practice good aeration of the affected substrate, in the form of air blown into the bottom; in the absence of aeration the effect is less.

The temperature is a great activator for Petronet BioGas® effect up to an upper limit of 37°C; at higher temperatures the effect is reduced until its disappearance and at lower temperatures the effect is to decelerate the rate of degradation of the materials, without canceling its activity.

The Petronet BioGas® product is hygroscopic, so it is advised that once opened, it is kept isolated and preserved from the environment to prevent its degradation and the formation of active agglomerates.

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