



NUTRIBOOST CPNS

Micronutrient and biochemical formulation for stabilization and performance improvement of anaerobic digesters.

Anaerobic digesters treating high organic wastes often face microbial stress due to variable loading, acidity and nutrient limitations. These conditions can reduce microbial activity and methane generation.

Nutriboost CPNS provides essential micronutrients and biochemical components required for growth and stabilization of anaerobic bacteria, supporting consistent biogas production under varying operating conditions.

Mode of Action

By supplying specific micronutrients and enzymes, the product enhances microbial metabolism and supports maintenance of active biomass. This improves organic removal efficiency and helps sustain microbial population even under stressed process conditions.

Product Key Benefits

- Improves digestion efficiency and organic removal
- Supports microbial population build-up during start-up
- Enhances consistency of biogas and methane production
- Helps stabilize digester pH and minimize acidity
- Useful during variable loading conditions

Product Application

Suitable for digesters fed with agro-industrial residues such as Press mud, Napier grass and Paddy straw as well as high COD industrial wastewaters including distillery spent wash, paper mill wastewater and food processing effluents.

Operational Conditions

- Effective pH Range: **6 – 8**
- Effective Temperature Range: **30 – 50°C**

Dosage

- Typical steady-state maintenance dose 15–30 ppm on feed flow basis; optimization based on lab studies.

Product Characteristics

- Brown powder composed of micronutrients and biochemicals.

Product Packaging

- 25 kg packs or as per requirement

Product Shelf Life

- 12 months

Product Handling

- Avoid contact with skin and eyes, ensure ventilation during preparation and store in cool dry covered place. Follow the MSDS supplied with the product.



ISO 9001:2015 Certified | FSC 22000 Certified

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Certifications:

