

Sludge reduction agent

Ultra high temperature

Concentration

Water content reduction

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Henan microbial agent engineering technology research center
Henan Agricultural Waste Resource Comprehensive Utilization
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Joint development

The special strain for sludge reduction are scientifically compounded according to the temperature gradient at each stage of fermentation. Adding super thermophilic microorganism above 75 °C has a wide range of requirements for material moisture, 55% - 70%, rapid temperature rise, up to more than 70 °C in 48 hours, rapid harmless treatment and shorten the fermentation cycle for 3-5 days. It is an ideal choice for customers with large sludge disposal capacity

The main parameter	QB/T007-2020	GB20287-2006
The effective living microorganism(cfu)(X10 ⁸ /g)	≥100.0	≥0.5
Cellulase activity(U/g)	≥50.0	≥30.0
Protease activity (U/g)	≥50.0	≥15.0
Moisture(%)	≤20.0	≤20.0
pH	6.0-8.0	5.5-8.5
Shelf life(month)	24	6

Functions and features

[applicable object]

Domestic sludge, industrial hazardous waste sludge, food processing plant sludge, etc.

[scope of application]

Sludge treatment plant and sludge disposal organization.

[quick warming]

When the ambient temperature is above 0 °C, the temperature rises to above 70 °C in 48 hours to fully decompose the organic carbon and organic nitride in the sludge. Generally, the sludge can be reduced by about 30-50% after 10-15 days of fermentation.

[high temperature lasting]

Quickly volatilize water and decompose organic matter to achieve the purpose of reduction.

usage method

[sludge water regulation]

Dry materials with low moisture (rice husk, shavings, sawdust, straw, etc.) shall be added according to the proportion of sludge moisture. If the sludge moisture is about 90%, the moisture shall be adjusted according to the proportion of weight ratio 3 (sludge): 1 (dry material).

[add strain]

Each 1kg of special bacteria for sludge reduction can treat 10 tons of materials. When in use, the special bacteria for sludge reduction and 10kg of dry fine materials are evenly mixed and evenly mixed into the fermentation materials.

[fermentation treatment]

After reaching the high temperature above 70 °C, stack once every 48 hours

Attention:

- 1. This product must be mixed evenly with the fermented product before use.***
- 2. It is forbidden to mix this product with fungicides.***
- 3. This product must be stored in a ventilated and cool place***