



Proven processing aids now also for biogas Enzymes by DSM

Bright Science. Brighter Living.™ DSM is a global science-based company active in Life Sciences and Materials Sciences. We use our science and innovation in partnerships with our customers to create products and solutions that make a positive effect to people's lives. In this role DSM has discovered and developed enzymes that help to maximize biogas yield.

Enzymes have been and will continue to be a part of our daily life. Enzymes are proteins and can be found in people, animals, plants and micro-organisms alike. These enzymes catalyze and regulate nearly all biochemical reactions that occur in the human body. For example, it is enzymes in our stomachs that break down food into a form that can be absorbed into our bodies and converted into energy.

Enzymes are commonly used in food and non food applications, e.g. in cheese, beer, detergents and textile. Biogas is an upcoming, exciting and challenging new application for enzymes. They can help you to optimize your process and improve your output.

Why enzymes?

Enzymes bring a wide range of processing benefits and ensure cost savings by:

- improving processing efficiency
- reducing production time
- replacing physical and chemical treatments
- reducing energy needs
- using less raw materials

They also reduce environmental contamination by ensuring sustainability, decreasing waste and reducing chemical use.

Enzymes offer more than just processing advantages – they provide a cost-effective way to create exciting, new products and processes. For a clearer beer, a tastier, crustier loaf or low sugar, softer leather and cleaner laundry - enzymes help create products with universal appeal.

Dedicated experience

From the discovery of Amylase in 1906 to the launch of enzymes in biogas applications, our 100 years of innovation have made us a world leader in the formulation, production and supply of enzymes. We apply fermentation and biotech processes to make our own products, enzymes, antibiotics and vitamins. We provide an extensive, innovative range of products for pharma, food and non food applications.

Improving biogas output

In biogas plants of the future enzymes will be applied to adapt and accommodate the use of (cheap) raw materials. Enzymes will process these raw materials such that a maximum energy (biogas) output is achieved. With more than 100 years' experience in enzymes and biotechnology, DSM is on hand to help you understand and optimize your biogas plant, giving you greater stability and a substantial increase in biogas yield and productivity.

