

# Enzymes are key enablers of the European Green Deal



Enzymes are proteins produced in nature by all living organisms. They are biocatalysts that help reduce energy consumption and raw materials in production, improve process efficiencies and replace or reduce harmful chemicals.

## Enzymes in food and beverages:

Optimise production yields, minimise food waste and help tailor food to nutritional needs



## Enzymes in feed:

Help extract nutrients from ingredients, minimising their leakages in soil and water and gaining agility in feed formulation, and improve animal welfare

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**An EIPPC 2017 Best Available Technique DECISION (EU) 2017/302**



## Enzymes in textile manufacturing:

Reduce usage of water and chemicals of concern, and support the longevity of garments

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**An EIPPC 2022 Best Available Technique DECISION (EU) 2022/2508**



## Enzymes in detergents:

Allow washing at low temperatures and reduce chemicals of concern

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**An ingredient in detergents qualifying for EU Ecolabel DECISION (EU) 2017/1216, 1217, 1218**



## Enzymes contribute to the objectives of the European Green Deal:

- Responsible consumption and production
- Ecosystem and biodiversity preservation
- Lower CO<sub>2</sub> industrial processes
- Innovative energy supply
- Optimised food system towards minimal emissions
- Globally competitive and resilient EU industry
- Circular economy
- Pollution mitigation