

Enzymes: Catalysts for Environmental Sustainability

AMFEP Responsible Production and Sourcing Commitment

Enzymes, as nature's biocatalysts, are transforming the way industries address environmental challenges. Their ability to accelerate biochemical processes with remarkable specificity and efficiency makes them indispensable in the pursuit of sustainability. Across sectors—from food production to textiles, detergents, pulp and paper or biofuels—enzymes are reducing resource consumption, lowering greenhouse gas emissions, minimising waste, and enabling the shift to renewable feedstocks. By harnessing the power of enzymes, we unlock pathways for circularity, cleaner technologies, and a future where economic growth harmonises with the health of our planet.

Environmental Sustainability through Enzymes

- Enzymes facilitate lower energy processes, reducing the carbon footprint of manufacturing and downstream applications.
- They enable effective waste treatment and recycling, helping industries meet environmental regulations and circular economy goals.
- Enzymatic innovations allow for biodegradable products, supporting the reduction of persistent pollutants.
- Enzymes often replace harsh chemical alternatives, contributing to safer workplaces and communities.
- Their use in agriculture and bio-based processes promotes soil health and biodiversity, while reducing dependence on fossil-derived inputs

AMFEP Commitments to Responsible Production and Sourcing

Members of the Association of Manufacturers and Formulators of Enzyme Products (AMFEP) recognise that sustainability extends beyond product innovation—it is rooted in the integrity of our production systems, sourcing and supply chains. AMFEP members collectively endorse the following commitments:

- **Product quality and safety:** Ensure raw materials and products are safe, suitable, and meet quality standards.
- **Health and Safety:** Ensure safe and hygienic working conditions, bearing in mind the prevailing knowledge of the industry and of any specific hazards.
- **Human Rights and Labour Standards:** Uphold and respect internationally recognised human rights; maintain fair labour practices, ensure safe working conditions, and prohibit child or forced labour throughout our supply chains.
- **Environmental Protection:** Source raw materials in a manner that minimises environmental impact, seeking suppliers who embrace biodiversity preservation and resource efficiency.

- **Business Ethics:** Operate transparently and ethically, rejecting corruption, bribery, or unfair competitive practices.
- **Traceability and Transparency:** Maintain traceability of enzyme materials and ingredients, sharing relevant sourcing information with stakeholders while protecting confidential data.
- **Continuous Improvement:** Periodically review and improve responsible sourcing policies, aligning with evolving standards and other recognised best practices.
- **Animal welfare:** Comply with EU animal welfare regulations and encourage higher standards.
- **Engagement and Collaboration:** Engage constructively with suppliers, customers, and communities to foster broader adoption of responsible sourcing and sustainable production.
- **Compliance:** Adhere to all relevant local and international laws, regulations, and guidelines governing the sourcing, production, and handling of enzyme products.

AMFEP members are committed to providing solutions that advance environmental sustainability. Through innovation and ethical stewardship across industries that rely on our enzyme products, we aim to drive positive transformation in supply chains and production systems, ensuring that enzyme technologies benefit both society and the environment while supporting ongoing improvement for future generations.