ADDITIVES SUSTAINABILITY FOOTPRINT

RELEVANCE, CONCRETENESS AND EDUCATIONAL CONTRIBUTION OF THE ASF METHODOLOGY

New formulations without Legacy Additives ensure end-of-life recyclability; innovations in additives can enhance recyclability

The absence of Legacy Additives will facilitate waste collection and management

Using the right additives, the durability of products can be increased

Choosing the right additive can allow for more rational use of available resources

Informing consumers about the use of the ASF method allows the consumer to make the choice of more sustainable products; ASF insights can inform ALL players in value chains in terms of enhancing article/additive use sustainability

Producing and placing on the market products designed according to the ASF method guarantees greater industrial symbiosis (ease and safety in the reuse of resources and by-products)

Significant improvements in the environment and in consumer behaviour can be achieved; increasing material value (societal benefit) per unit of resource, with potential for beneficial recovery and reuse further enhancing societal values

Economic advantages can be obtained in waste management in terms of disposal costs and/or extraction of legacy additives from end-of-life waste

It facilitates the creation of more sustainable and circular markets, providing greater competitiveness compared to products imported from non-European countries that could be less scrupulous in respecting the EU rules undermining EU-scale commitments and investments in sustainable development

The end-of-life management and recycling sector is simplified; considering that innovative additives improve recyclability

ASF assessments can highlight areas for improvement by suppliers, both directly and via customers being more specific in supplier requirements

The need for landfills for both non-recyclable waste and hazardous substances (legacy additives) is reduced

Knowledge of the use of the ASF method allows the consumer to make a more correct behavioral choice; furthermore, ASF assessments can inform change and lead to greater integration along the entire value chain

Encourages circularity through the reuse of by-product waste, and pre-consumer and post-consumer waste

By training companies that intend to use this method, awareness of the principles of the circular economy is increased among employees as well as all partners in the value chains of the articles (including for example retailers, waste managers, regulators etc.)

All companies that produce articles to be placed on the market and that use substances can use this method which can be transferred to other plants or competing companies

It is a brand-new technique that completely innovates the sustainable approach to the use of hazardous and non-hazardous substances. However, ASF is above all an innovation tool, highlighting areas for sustainable improvements (that also frame future market limitations and opportunities)

The methodology developed brings great benefits in terms of choosing a highly sustainable product life cycle; ASF relates to whole value chains and all those who influence it (governments, fiscal policies, investors, etc.) so is a significant approach to link these wider interests around sustainability awareness and goals