

Introduction to Food Packaging

1. DEFINITIONS

Despite the vital and central role played by packaging, it is often perceived as a necessary inconvenience or an unnecessary expense. From the consumer's perspective, packaging can seem either unnecessary or a significant waste of resources and an environmental threat. Such perceptions arise because the functions of packaging are either not well understood or are not fully considered. By the time most consumers encounter food packages that its primary role has often been fulfilled, contributing to the view that excessive packaging has been used. Packaging is defined as a socio-scientific discipline operating in society to ensure the delivery of goods to the end consumer in the best possible condition for their intended use. The now-defunct Packaging Institute International defined packaging as the enclosure of products, items, or packages in various container forms (such as pouches, bags, boxes, trays, cans, tubes, bottles) to perform functions like containment, protection, preservation, communication, utility, and performance. Any device or container performing one or more of these functions was considered packaging.

Other definitions of packaging include a coordinated system of preparing goods for transport, distribution, storage, retailing, and final use; a means of ensuring safe delivery to the end consumer at optimal cost; and a techno-commercial function aimed at minimizing delivery costs while maximizing sales and profits.

It is important to distinguish between the terms "package," "packaging," and "packing." The package is the physical entity containing the product. Packaging, as defined earlier, is also a discipline, as evident in the term "Packaging Technologist." The term "packing" refers to enclosing an individual item or multiple items within a package or container.

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Typically, distinctions are made among various "levels" of packaging. A primary package directly contacts the product and serves as the initial and often the primary protective barrier. Examples include metal cans, paperboard cartons, glass bottles, and plastic pouches. Consumers frequently purchase only the primary package at retail stores. A secondary package, such as a corrugated case or box, contains multiple primary packages and serves as the physical distribution carrier. It is often designed for use in retail displays, known as "shelf-ready" packaging. A tertiary package consists of multiple secondary packages, with a common example being a pallet of stretch-wrapped corrugated cases. In interstate and international trade, a quaternary package is often used to facilitate handling tertiary packages. This may be

Packaging An Introduction

Sabine Zange



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