

PREPARATION AND STABILITY TESTING OF FLAVOURED WHIPPED CREAM WITH LYOPHILIZED INGREDIENTS

Zsolt Garzó¹, Erzsébet Nyergesné Illés²

¹ *Faculty of Food Engineering, University of Szeged, H-6724 Szeged, Mars tér 7, Hungary
e-mail: garzozsolt@icloud.com*

² *Institute of Food Engineering, University of Szeged, H-6724 Szeged, Mars tér. 7, Hungary
e-mail: erzsebet.illes@mk-u.szeged.hu*

Abstract

Flavored whipped cream, an innovative culinary creation, has garnered significant attention in recent years for its ability to elevate a wide array of dishes and beverages. Our poster delves into the diverse landscape of flavored whipped cream, shows its origins, production methods, and the multitude of delectable flavor profiles that have captivated the palates of gastronomes worldwide.

Our study begins by tracing the historical roots of whipped cream, from its inception as a simple cream topping to the modern culinary phenomenon it has become. Through a comprehensive review of literature, we explore the evolution of whipping techniques and the pivotal role of emulsifiers in achieving the desired texture and stability.

The production process of flavored whipped cream is then dissected, highlighting the incorporation of various natural and artificial flavoring agents. Techniques such as infusion, extraction, and emulsion are explored in detail, shedding light on the nuanced methods employed by culinary artisans to infuse creams with an array of enticing flavors, from classic vanilla and chocolate to salted caramel and vegan cheese.

Furthermore, our poster delves into the applications of flavored whipped cream in both sweet and savory culinary creations. Through case studies and sensory evaluations, we unveil the transformative impact of flavored whipped cream on diverse dishes, ranging from decadent desserts to innovative savory entrees.

In addition, the study examines the evolving consumer trends and market dynamics surrounding flavored whipped cream, shedding light on its growing popularity in the hospitality industry and its emergence as a staple in home kitchens.

Lyophilized fruits and cheese have emerged as indispensable components in the realm of flavoring, revolutionizing culinary creativity and product development. Their importance lies in their ability to impart concentrated, authentic flavors while offering practical benefits for both chefs and food manufacturers.

Lyophilized fruits, through the meticulous freeze-drying process, retain the essence of fresh fruits in a highly concentrated form. This allows for precise control over flavor profiles, enabling chefs to infuse dishes with vibrant, natural fruitiness regardless of seasonal availability. From adding intensity to desserts and beverages to enhancing the aromatic complexity of savory dishes, lyophilized fruits serve as versatile and reliable flavor enhancers. Similarly, lyophilized cheese undergoes a transformative preservation process that preserves its distinct taste while eliminating moisture. The resulting cheese products, whether in powdered or crumbled form, serve as potent flavor agents. These versatile cheese powders can be effortlessly integrated into a wide range of dishes, including sauces, dressings, snacks, and baked goods, elevating their taste with a rich, umami depth.

Beyond their flavor-intensifying capabilities, lyophilized fruits and cheese offer logistical advantages in the food industry. They boast extended shelf lives, reducing waste and allowing

for cost-effective inventory management. Their lightweight, compact nature simplifies storage, shipping, and handling.

In conclusion, lyophilized fruits and cheese play a pivotal role in modern culinary innovation and food manufacturing. Their concentrated flavors and practical benefits provide chefs and food professionals with a powerful toolset to craft exceptional and consistent taste experiences, while also addressing logistical concerns in the food supply chain. As essential components in flavoring, lyophilized fruits and cheese are poised to continue influencing the way we approach and savor food.