

Case Study

Mashed Potatoes



Improve texture and control syneresis in cooked products.

Our Customer is a large producer of frozen prepared meals for the food service industry. The customer was challenged to develop a frozen mashed potato food service item that needed to withstand being held on a steam table for long periods. Due to Z-Trim's unique functionality in extreme heat/freeze conditions, the manufacturer was able to achieve their goals of controlling water pooling, improving texture and achieving a smooth creamy mouthfeel. Simply put: Z-Trim keeps the water where you want it.



www.ztrim.com

Business Situation

Customer produces convenient frozen, re-heatable main courses and side dishes for the food service industry. Customer sought to develop a frozen mashed potato product that could be reheated and held on a steam table at a restaurant or cafeteria.

Technical Situation

Customer had problems maintaining a smooth texture and controlling syneresis in the final reheated product. Since potatoes are composed of nearly 80% water, severe conditions such as freezing and reheating can break down the potatoes at a cellular level. This type of breakdown can lead to mashed potatoes with an unappealing texture and small pools of water on the surface.

Solution

Z-Trim worked with the customer's formulation and found that by adding a low level of Z-Trim Corn Fiber and removing xanthan gum, the customer could improve the texture to provide the smooth, creamy mouth feel that their customers demand.

Benefits

Adding Z-Trim Corn Fiber, with its unique functionality, to the mashed potato allowed the customer to consistently produce a dish with both a smooth texture and an appealing visual appearance to consumers.

For additional information contact us: 847-549-6002 option #1 for Sales

The information contained herein is, to the best of our knowledge, correct. The data outlined and the statements made are intended only as a source of information. We may suggest technical solutions for incorporating our ingredients into products, however it is ultimately the user's responsibility to both comply with appropriate government standards and requirements, and to make an independent determination as to whether the product is of acceptable quality and suitability for their particular purpose. No warranties, expressed or implied, are made. Nothing contained herein shall be construed as permission for violation of patent rights. Z-Trim is a registered trademark of Z-Trim Holdings, Inc. All rights reserved.

06.17.14