

**PRODUCT APPLICATION SHEET**

Document No.: PAS-FC-1  
Effective Date: 12, Jan 2025

**Product Application Sheet for Chewy Soft Candy**

**CAGGEL™ FC**

Gellan Gum is a high molecular weight extracellular microbial polysaccharide produced by aerobic fermentation of a pure culture of *Sphingomonas elodea*. GESOLGEL FC is a kind of standardized gellan gum with medium to high gel strength. As a gelling and texture improving agent, CAGGEL™ FC can bring good texture for soft candy products. The typical recommended use level of CAGGEL™ FC in chewy soft candy is 1.5% to 2.0%.

**Formula:**

CAGGEL™ FC ( Gellan gum )	1.6%
Water	70%
Sugar	36%
Glucose Syrup 75DE	57.5%
Sodium Citrate	0.4%
Citric acid	0.5%
Calcium Lactate	0.14%
Color and Fragrance	Appropriate

**Processing:**

1. Weighing Ingredients: Weigh the CAGGEL™ FC and sodium citrate into the water. Heat to boiling and maintain for some time until it dissolved completely.
2. Cooking: In a double boiler or candy pot, add white sugar,, and glucose syrup. Heat to the sugar is dissolved, then add the pre-swollen mixture. Continue cooking until boiling, approximately at 105- 110°C, and observe the solids until they reach about 55-60%.
3. Flavoring: Keep the mixture warm, and while stirring, add the desired amount of flavoring, food coloring, calcium lactate and citric acid. Stir until well combined.
4. Pouring: Pour the hot mixture into molds and allow it to set. Once solidified, remove from the molds.
5. Drying: 55°C and dry for 48 hours until the desired solid content is achieved.
6. Packaging: Package the finished product.



**Disclaimer**

The information contained herein is to our best knowledge, true and accurate, but all recommendations or suggestions are made without guarantee, since we can neither anticipate nor control the different conditions under which this information and our products are used. Further, we disclaim all liability with regard to customers' infringement of third party intellectual property including, but not limited to patents. We recommend that our customers apply for licenses under any relevant patents.