

TITANIUM DIOXIDE USED IN FOOD PROCESSING INDUSTRIES



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URS : UKAS

Titanium Dioxide, FCC VIII / E-171 : In Food Processing Industries

Introduction (How it works in Food Products) :

- Titanium Dioxide, known in Food as the Colourant E-171, is used in the Food Processing Industry, for more than five Decades, to make food to look Brighter and more Appealing.
- It is used in food in its most **Purified** Form, with **Purity** more than 99% & it complies with current European Legislation, which means, it does not contain substances that are considered dangerous to consumers.
- It is used, not only to make food look Great but also, in consumer Packagings, which protect food from degradation, increasing the Shelf Life of the packed Food.
- It is not readily absorbed by the body & its use in food has not been shown to have negative Health Impacts.
- It is the most effective white Colorant in food, **five times more efficient** than alternatives, such as, Silica or Calcium Carbonate.
- It is the most safe Colourant as it doesn't enter the bloodstream and passes through the digestive system, unchanged and unabsorbed.
- In June 2018, the European Food Safety Authority (EFSA) confirmed their opinion that data on Titanium Dioxide, E-171 in food, showed no health concerns for consumers.



Examples of Food Industries, in which Titanium Dioxide is used

Applications

- It is used in a Range of Foods, from Sweets to processed Cheese.
- It gives Brightness and more vibrant in colour, to look the Foods as most Fresher.
- It adds Texture & also used as an Anti-Caking Agent.
- It gives Natural whiteness and opacity to foods.



Cake Glaze



Pastries

Examples : Cakes, White Chocolates, Cake Glaze, Edible Icing Sheets, Chewing Gum, Mints, Mayonnaise, Coffee Creamers, Donuts Ditches, Salad Dressings, Cheese, Pastries, Candies, Confectioneries, Bakery Products etc.



White Chocolate



Chewing Gum



Donuts Ditches



Coffee Creamers



Candies