

## **The Sugar to Remove BO A Study of Seniors and Human Body Odor Removal**

Smart Sugars Lesson # 47

by JC Spencer

Drug companies and nutritional companies are seeking new uses for sugars. A recent discovery for Smart Sugars is for removing human BO.

Perhaps the discovery that this Smart Sugar removes human BO came about after learning that it improves flavor and protects the good aromatic volatiles while it appears to remove the bad flavors and bad aromas.

The last few years have brought extended research on the properties of Smart Sugars to better understand their roles and why they are so abundant in nature.

New findings verify that the sugar Trehalose is able to sustain and preserve a wide array of biological molecules and is growing in its use in skin care and therapeutic products.

Reports are that Trehalose is now used in over eight thousand (8,000) products. Its popularity may be partially due to its lower sweetness and longer persistence of sweetness in comparison with sucrose. Trehalose is now used in some baked goods to modify the hardness and friability of dough, that is, to protect it from crumbling.

Trehalose-dried food products are also found to contain less toxic by-products and higher nutritional content than conventionally processed foods. For example, fresh banana, strawberry, mango, avocado, apple, and raspberry, which were all pureed in the presence of trehalose and dried at 25–50°C, demonstrated no detectable changes in color or other properties during prolonged storage.

Trehalose is appearing in some beverages, processed vegetables and fruits, processed seafood, frozen food products, and refrigerated items. With the addition of trehalose prior to air drying, a wide variety of food products are better protected from denaturation, and Trehalose prevented the loss of aromatic volatiles which helps maintain the characteristic aroma and flavor of fresh fruits and vegetables.

Many skin care companies are now using Trehalose in their products with excellent results not only of skin protection but to suppress human body odor by about 70%. Odor associated with aging is caused by the formation of unsaturated aldehydes such as 2-nonenal and 2-octenal. These aldehydes are produced by the degradation of unsaturated fatty acid (palmitoleic acid) in the skin of seniors.

One research study was conducted with seniors over the age of fifty five (55) years. After showering, their bodies were sprayed with a two percent (2%) trehalose solution. After twenty hours, the amount of unsaturated aldehydes is decreased by about seventy percent (70%).

Source:

[http://www.yduocngaynay.com/5-5BuiQQuang\\_Trehalose.htm](http://www.yduocngaynay.com/5-5BuiQQuang_Trehalose.htm)  
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