

Risumalt®

Sugar free sweetener
solution

Risumalt®



RISUMALT®

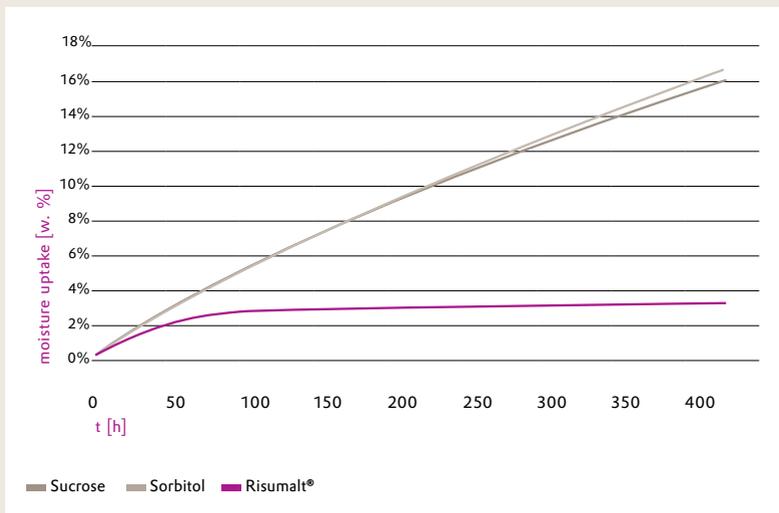


Risumalt® is Isomalt, a sugar replacer naturally derived from sugar. It provides bulk and texture benefits of sucrose in sugar free products, along with high visual and sensory appeal. Its unique property compared to sucrose or other sugar replacer is a very low hygroscopicity, which makes it perfectly suitable for application in sugar free confectionary, bakery goods, direct compressible tablets, drops or chewing gums. It has half the calories of sugar, is non-cariogenic, and due to its low glycemic index (GI) also suitable for diabetics.

Risumalt® is produced in a two-stage process by enzymatic conversion of sucrose syrup into isomaltulose syrup, a functional sugar mixture, and subsequent hydrogenation to sugar polyol Risumalt®. The main components are the two isomers 1.1-GPM (1-0- α -D-glucopyranosyl-D-mannitol) and 1.6-GPS (6-0-D-glucopyranosyl-D-sorbitol).

Risumalt® is manufactured with a novel, and patented process. Due to the novel process, it has a unique isomer composition, which differs from commercially available Isomalt. As shown in simulated candy stress test at elevated relative humidity (rH) of 80%, moisture uptake is below 3 %. This allows development of new sugar free products with an outstanding benefit. Risumalt® combines the advantages in sugar free application technology on the one hand, and offers outstanding performance for confectionary producers on the other hand.

Stress test with hard boiled candies stored at 80% rH and 25°C



ISOMALT (E 953 / INS 953)

DEFINITION: A mixture of hydrogenated mono- and disaccharides whose principal components are the disaccharides

- 6-O-alpha-D-Glucopyranosyl-D-sorbitol (1,6-GPS)
- 1-O-alpha-D-Glucopyranosyl-D-mannitol (1,1-GPM) dihydrate

APPEARANCE: Odourless, white, crystalline substance

SPECIFICATION: The product specification is in compliance with monographs for isomalt in FCC (Food Chemical Codex) and by FAO JECFA

Risumalt® complies with HACCP / GMP guidelines for food, is HALAL certified, non-GMO and free of allergens.



Risumalt® is particularly suitable for production of sugar free confectionery, bakery products, direct compressible tablets and chewing gums



RSC Evonik Sweeteners Co., Ltd. is a joint venture company for the manufacturing of Risumalt®

RAJBURI SUGAR CO., LTD.

Rajburi Sugar Co., Ltd. (RSC) has been manufacturing raw sugar, white sugar, refined sugar in the West of Thailand for exports and domestic market since 1985, under „BEE BRAND“. Since established, RSC has strived to manufacture the best quality products through the most efficient systems and methods. This motivation has helped us achieve some of the most recognized standards in the industry including ISO 9001:2008, GMP, HACCP, FSSC 22000, SGP, CFP, CFO, HALAL, KOSHER and TIS 56-2552. With our interest firmly in sugar, RSC has expanded its production to cover new sweeteners in order to satisfy the ever changing and more complex consumer needs.

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EVONIK INDUSTRIES AG

Evonik is one of the world's leading specialty chemicals companies. The central elements of our strategy for sustained value creation are profitable growth, efficiency and values. Around 80 percent of sales come from market-leading positions, which we are systematically expanding. We concentrate on high-growth megatrends, especially health, nutrition, resource efficiency and globalization.

In 2016 Evonik's more than 35,000 employees generated sales of around €12.7 billion and an operating result (adjusted EBITDA) of €2.165 billion. Around 81 percent of sales are generated outside Germany, providing convincing evidence that our business is global.

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