



GB 1886.98-2024

National Food Safety Standard

Food Additive Lactitol (Also Known as 4- β -D-Galactopyranose-D-Sorbitol)

食品安全国家标准 食品添加剂 乳糖醇 (又名4--D吡喃
半乳糖-D-山梨醇)

National Health Commission of the People's
Republic of China
State Administration for Market Regulation

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Translated by ChemLinked

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National Standard of the People's Republic of China

GB 1886.98-2024
In Replacement of GB 1886.98-2016

National Food Safety Standard Food Additive

Lactitol (Also Known as 4- β -D-Galactopyranose-D-Sorbitol)

食品安全国家标准

食品添加剂

乳糖醇 (又名 4- β -D 吡喃半乳糖-D-山梨醇)

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Foreword

This standard replaces GB 1886.98-2016 "Food Additive Lactitol (Also known as 4-β-D-Galactopyranosyl-D-Sorbitol)". Compared with GB 1886.98-2016, the main changes of this standard are as follows.

——The product category of lactitol was added to the scope and technical requirements;

——The testing method for lactitol content has been supplemented and improved.

National Food Safety Standard**Food Additive****Lactitol (Also Known as 4-β-D-Galactopyranose-D-Sorbitol)****1. Scope**

This standard applies to the food additive lactitol (4-β-D-galactopyranose-D-sorbitol) produced from lactose as raw material through hydrogenation, purification, concentration, drying and other processes. The products are divided into anhydrous lactitol, lactitol monohydrate and lactitol dihydrate.

2. Chemical name, molecular formula, structural formula and relative molecular mass**2.1 Chemical name**

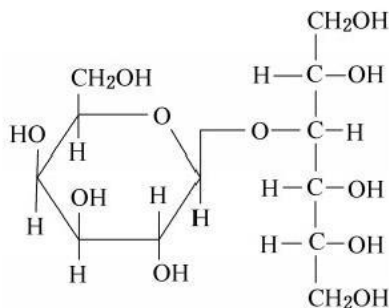
4-β-D-galactopyranose-D-sorbitol

2.2 Molecular formula

Anhydrous lactitol: $C_{12}H_{24}O_{11}$

Lactitol monohydrate: $C_{12}H_{24}O_{11} \cdot H_2O$

Lactitol dihydrate: $C_{12}H_{24}O_{11} \cdot 2H_2O$

2.3 Structural formula**2.4 Relative molecular mass**

Anhydrous lactitol: 344.3 (according to the 2018 International Relative Atomic Mass)



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