Chinastandards.org

CCS X 09

NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB 1903.27-2022

National food safety standard - Food nutritional fortification substance - Galactooligosaccharides

食品安全国家标准 食品营养强化剂 低聚半乳糖

(English Translation)

Issued on: June 30, 2022 **Implemented on: December 30, 2022**

Issued by: National Health Commission of the People's Republic of China, State Administration for Market Regulation

Preview: page 1 of 5 shown, 12 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-1903-27-2022

Chinastandards.org

Table of Contents

1 Scope
2 Structural formula, molecular formula and relative molecular mass
2.1 Structural formula
2.2 Molecular formula
2.3 Relative molecular mass
3 Product classification
3.1 Galactooligosaccharide powder
3.2 Liquid galactooligosaccharide
4 Technical requirements
4.1 Sensory requirements
4.2 Physical and chemical indexes

1 Foreword

GB 1903.27-2022 was issued by National Health Commission of the People's Republic of China, State Administration for Market Regulation on 30 June 2022 and has been in force since 30 December 2022.

It is one of 84 parts of the GB 1903 series.

The GB prefix, without a suffix, marks a mandatory standard: within its scope, compliance is required.

2 Scope Preview

This standard is applicable to food nutrition enhancer, galactooligosaccharides, generated with lactose as raw material, by catalyzing and hydrolyzing the galactosidine bond with ?-galactosidase produced with bacillus ATCC 31382 (Bacillus sp.) or Aspergillus oryzae, then hydrolyzing the lactose into galactose and glucose, meanwhile transferring the hydrolyzed galactoside into the lactose molecules through the action of transferring galactoside.

GB 1903.27-2022 is filed under Chinese Standard Classification X 09, in the field of food.

This catalogue holds 8,318 other GB standards without an ICS number.

In this catalogue, GB standards carry edition years from 1963 to 2026.

Preview: page 2 of 5 shown, 12 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-1903-27-2022

3 About this standard

Issued by: National Health Commission of the People's Republic of China, State Administration for Market Regulation

English translation: about 12 pages

Chinese original: about 18,149 characters

4 Related standards

Other parts of this standard:

GB 1903-1980 - Food additive--Acetic acid

GB 1903-1996 - Food additive. Glacial acetic acid

GB 1903-2008 - Food additive - Acetic acid, glacial

GB 1903.1-2015 - National Food Safety Standard -- Food Nutrition Enhancer -- L-Lysine monohydrochloride

GB 1903.2-2015 - National Food Safety Standard -- Food Nutrition Enhancer -- Zinc glycinate

GB 1903.3-2015 - National food safety standards of food nutrition fortifier 5-adenosine monophosphate

GB 1903.4-2015 - Food Nutrition Enhancer -- Zinc oxide

GB 1903.5-2016 - National Food Safety Standard -- Food Nutrition Enhancer -- 5-cytidine disodium

GB 1903.6-2015 - Food Nutrition Enhancer -- Vitamin E, Calcium succinate

GB 1903.7-2015 - Food Nutrition Enhancer -- Manganese gluconate

GB 1903.8-2015 - National Food Safety Standard -- Food Nutrition Enhancer -- Copper Gluconate

GB 1903.9-2015 - National food safety standard - Food nutrition enhancer - Sodium selenite

GB 1903.10-2015 - Food Nutrition Enhancer -- Ferrous gluconate

GB 1903.11-2015 - Food Nutrition Enhancer -- Zinc lactate

GB 1903.12-2015 - Food Nutrition Enhancer -- L-selenium-methyl selenocysteine

GB 1903.13-2016 - Food additive -- Levocarnitine

GB 1903.14-2016 - Food additive -- Calcium citrate

Preview: page 3 of 5 shown, 12 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-1903-27-2022

GB 1903.15-2016 - Food additive -- Calcium acetate

GB 1903.16-2016 - National Food Safety Standard -- Food Nutrition Enhancer -- Ferric Pyrophosphate

GB 1903.17-2016 - Food nutritional fortification substance -- Lactoferrin

GB 1903.18-2016 - National Food Safety Standard -- Food Nutrition Enhancer -- Calcium Citrate-malate

GB 1903.19-2016 - Food Safety National Standard Food Nutrition Enhancer -- Bone Powder

GB 1903.20-2016 - Food safety national standard food nutrition enhancers -- Thiamine nitrate

GB 1903.21-2016 - Food safety national standard food nutrition enhancer selenium -- Enriched yeast

GB 1903.22-2016 - Food Safety National Standard Food Nutrition Enhancers -- Se-enriched edible fungi powder

GB 1903.23-2016 - Food safety national standard food nutrition enhancer -- Selenium carrageenan

GB 1903.24-2016 - Food Safety National Standard Food Nutrition Enhancer -- Vitamin C Phosphate Magnesium

GB 1903.25-2016 - National Food Safety Standard -- Food Nutritive Fortifier -- D-Biotin

GB 1903.26-2022 - Docosahexaenoic Acid (Tuna oil)

GB 1903.28-2018 - Food nutrition enhancer selenoprotein

GB 1903.29-2018 - Food nutrition enhancer magnesium gluconate

GB 1903.30-2022 - National food safety standard - Food nutrition enhancer - Polyfructose

GB 1903.31-2018 - Food nutrition enhancer, retinyl acetate (vitamin A)

GB 1903.32-2018 - Food nutrition enhancer D-sodium pantothenate

GB 1903.33-2022 - 5'-CMP

GB 1903.34-2018 - Food nutrition enhancer zinc chloride

GB 1903.35-2018 - Food nutrition enhancer zinc acetate

GB 1903.36-2018 - Food nutrition enhancer choline chloride

GB 1903.37-2018 - Food nutrition enhancer

GB 1903.38-2018 - Food nutrition enhancer ferrous succinate

Preview: page 4 of 5 shown, 12 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-1903-27-2022

GB 1903.39-2018 - Food nutrition enhancer

GB 1903.40-2022 - Fructooligosaccharide

GB 1903.41-2018 - Food nutrition enhancer potassium gluconate

GB 1903.42-2020 - National food safety standard - Food nutritive fortifier - Inositol (cyclohexanehexol)

GB 1903.43-2020 - Nutritional Fortification Substance - Cyanocobalamin cobione

GB 1903.44-2020 - Nutritional Fortification Substance - Hydroxocobalamin

GB 1903.45-2020 - Nutritional Fortification Substance - Nicotinamide

GB 1903.46-2020 - Nutritional Fortification Substance - Ferrous Fumarate

GB 1903.47-2020 - Nutritional Fortification Substance - Ferrous Lactate

GB 1903.48-2020 - Dimagnesium hydrogen phosphate

GB 1903.49-2020 - Nutritional Fortification Substance - Zinc Citrate Trihydrate

GB 1903.50-2020 - Cholecalciferol (Vitamin D3)

GB 1903.51-2020 - Nutritional Fortification Substance - Sodium Iodide

GB 1903.52-2021 - Nutrient Fortifier - Heme Chloride

GB 1903.53-2021 - Nutrient Fortifier - D-calcium pantothenate

GB 1903.54-2021 - National Food Safety Standard - Food Nutrient Fortifier - Choline Bitartrate

GB 1903.55-2022 - L(+)-Ascorbic acid

GB 1903.56-2022 - Sodium selenate

GB 1903.57-2022 - Manganese(II) citrate

GB 1903.58-2022 - Manganous carbonate

GB 1903.59-2023 - National Food Safety Standard Food Nutritional Enhancer Chromium Chloride

GB 1903.60-2023 - National Food Safety Standard Food Nutritional Enhancer L-Carnitine Tartrate

GB 1903.61-2023 - National Food Safety Standard Food Nutritional Enhancer Copper Carbonate

GB 1903.62-2023 - National Food Safety Standards Food Nutritional Enhancers Reduced Iron

Preview: page 5 of 5 shown, 12 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-1903-27-2022