Chinastandards.org

NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB 5009.43-2023

National Food Safety Standard Determination of Monodium Glutamate in MSG

(English Translation)

Issued by: State Administration for Market Regulation;
Standardization Administration of China

Preview: page 1 of 5 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-5009-43-2023

Table of Contents

1 Scope
2 Principle
3 Reagents and Materials
4 Instruments and Apparatus
5 Analysis Steps
6 Expression of Analysis Results
7 Precision
8 Principle
9 Reagents

1 Foreword

GB 5009.43-2023 is issued by State Administration for Market Regulation; Standardization Administration of China.

It replaces the earlier edition GB 5009.43-2016.

It is one of 184 parts of the GB 5009 series.

2 About this standard

Issued by: State Administration for Market Regulation; Standardization Administration of China

English translation: about 15 pages (approximate)

3 Related standards

Other parts of this standard:

GB 5009.1-2025 - National food safety standard - Physical and chemical testing - General principles

GB 5009.2-2024 - National food safety standard - Determination of relative density of food

GB 5009.3-2016 - National food safety standard - Determination of Moisture Content in Foods

GB 5009.4-2016 - National food safety standard - Determination of Ash in Foods

GB 5009.5-2025 - National food safety standard - Determination of protein in foods

Preview: page 2 of 5 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-5009-43-2023

GB 5009.6-2025 - National food safety standard - Determination of fat in foods

GB 5009.7-2016 - National food safety standard - Determination of reducing sugar in foods

GB 5009.8-2023 - National food safety standard - Determination of fructose, glucose, sucrose, maltose and lactose in foods

GB 5009.9-2023 - National food safety standard - Determination of starch in foods

GB 5009.11-2024 - National food safety standard - Determination of total arsenic and inorganic arsenic in food

GB 5009.12-2023 - National food safety standard - Determination of lead in foods

GB 5009.13-2017 - National food safety standard - Determination of copper in foods

GB 5009.14-2017 - National food safety standard - Determination of Zinc in Foods

GB 5009.15-2023 - National food safety standard - Determination of cadmium in foods

GB 5009.16-2023 - National food safety standard - Determination of tin in foods

GB 5009.17-2021 - Determination of total mercury and organic-mercury in foods

GB 5009.18-2025 - National food safety standard - Determination of fluorine in foods

GB 5009.22-2016 - National food safety standard - B-group and G-group aflatoxins in foods

GB 5009.24-2016 - National food safety standard - Determination of M Aflatoxins in Foods

GB 5009.25-2016 - National food safety standard - Determination of Sterigmatocystin in Food

GB 5009.26-2023 - National food safety standard - Determination of N-nitrosamines in foods

GB 5009.27-2016 - National food safety standard - Determination of Benzo(a)Pyrene in Foods

GB 5009.28-2016 - National food safety standard - Determination of Benzoic Acid, Sorbic Acid and Saccharin Sodium in Foods

GB 5009.31-2025 - National food safety standard - Determination of p-hydroxybenzoic acid esters in foods

GB 5009.32-2016 - Determination of propyl gallate in oils and fats

GB 5009.33-2025 - National food safety standard - Determination of nitrite and nitrate in foods

GB 5009.34-2022 - National food safety standard - Determination of sulfur dioxide in foods

GB 5009.35-2023 - National food safety standard - Determination of synthetic colour in

Preview: page 3 of 5 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-5009-43-2023

foods

GB 5009.36-2023 - National food safety standard - Determination of Cyanide in Foods

GB 5009.42-2016 - National food safety standard - Determination of Table Salt Index

GB 5009.42-2025 - National food safety standard - Determination of the indices of edible salt

GB 5009.44-2016 - National food safety standard Determination of chloride in foods

GB 5009.74-2014 - Method for Limit Test of Heavy Metals in Food Additives

GB 5009.75-2014 - National food safety standard - Determination of Lead in Food Additives

GB 5009.76-2014 - National food safety standard - Determination of arsenic in food Additives

GB 5009.82-2016 - National Food Safety Standard Determination of vitamin A, D, E in food

GB 5009.83-2016 - National food safety standard - Determination of carotene in foods

GB 5009.84-2016 - National food safety standard - Determination of vitamin B1 in foods

GB 5009.85-2016 - National food safety standard - Determination of vitamin B2 in foods

GB 5009.86-2025 - National food safety standard - Determination of ascorbic acid in food

GB 5009.87-2016 - National food safety standard - Determination of Phosphorus in Foods

GB 5009.88-2023 - National food safety standard - Determination of dietary fiber in foods

GB 5009.89-2023 - National food safety standard - Determination of niacin and niacinamide in foods

GB 5009.90-2016 - National food safety standard - Determination of iron in foods

GB 5009.91-2017 - National food safety standard - Determination of potassium and sodium in foods

GB 5009.92-2016 - National food safety standard - Determination of calcium in foods

GB 5009.93-2017 - National food safety standard - Determination of selenium in foods

GB 5009.94-2012 - Determination of rare earth elements in plant food

GB 5009.96-2016 - Determination of ochratoxin A in food -- High performance liquid chromatographic method with immunoaffinity column clean-up

GB 5009.97-2023 - National food safety standard - Determination of sodium cyclamate in foods

GB 5009.111-2016 - National food safety standard - Determination of deoxynivalenol and its acetylated derivatives in food

Preview: page 4 of 5 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-5009-43-2023

GB 5009.118-2016 - National food safety standard - Determination of T-2 toxin in foods

GB 5009.120-2016 - National food safety standard - Determination of Sodium Propionate and Calcium Propionate in Foods

GB 5009.120-2025 - National food safety standard - Determination of propionic acid and its salts in foods

GB 5009.121-2016 - Food safety national standard - Determination of dehydroacetic acid in foods

GB 5009.123-2023 - National food safety standard - Determination of chromium in foods

GB 5009.124-2016 - National food safety standard - Determination of Amino Acid in Foods

GB 5009.128-2016 - National food safety standard - Determination of cholesterol in foods

GB 5009.129-2023 - National food safety standard - Determination of ethoxyquin in fruits

GB 5009.137-2025 - National food safety standard - Determination of antimony in foods

GB 5009.138-2024 - National food safety standard - Determination of nickel in food

GB 5009.139-2014 - National food safety standard -- Determination of caffeine in beverages

GB 5009.140-2023 - National food safety standard - Determination of acesulfame K in food

GB 5009.141-2016 - National food safety standard -- Determination of allura red in foods

GB 5009.148-2014 - Determination of Free Gossypol in Vegetable Food

GB 5009.149-2016 - Determination of crocin in foods

GB 5009.150-2016 - National food safety standard - Determination of Monascus Pigments in Foods

GB 5009.153-2016 - Determination of phytic acid in vegetable foods

GB 5009.154-2023 - National food safety standard - Determination of vitamin B6 in foods

GB 5009.156-2016 - National food safety standard - General principle of migration test pre-treatment method of food contact materials and their products

GB 5009.157-2016 - National food safety standard - Determination of Organic Acid in Foods

GB 5009.158-2016 - National food safety standard - Determination of Vitamin K1 in Foods

GB 5009.168-2016 - Determination of Fatty Acids in Foods

GB 5009.169-2016 - National food safety standard - Determination of taurine in foods

GB 5009.179-2016 - National food safety standard - Determination of trimethylamine in

Preview: page 5 of 5 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-5009-43-2023