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NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB 5009.22-2026

Replacing GB 5009.22-2016

National food safety standard - Determination of aflatoxins B and G in food

食品安全国家标准 食品中黄曲霉毒素B族和G族的测定

(English Translation)

Issued on: August 18, 2026 **Implemented on: February 18, 2027**

Issued by: National Health Commission;
State Administration for Market Regulation

Preview: page 1 of 5 shown, full document available. Complete English PDF, instant download:
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Table of Contents

[Preview only]
1 General Provisions
2 Terms
2.2 Symbols
3 Basic Requirements
3.1 General Requirements

1 Foreword

GB 5009.22-2026 was issued by National Health Commission; State Administration for Market Regulation on 18 August 2026 and takes effect on 18 February 2027.

It replaces the earlier edition GB 5009.22-2016, GB 5009.22-1985.

It is one of 256 parts of the GB 5009 series.

2 Scope Preview

This standard specifies the determination methods of aflatoxin B1, aflatoxin B2, aflatoxin G1 and aflatoxin G2 (hereinafter referred to as AFT B1, AFT B2, AFT G1 and AFT G2) in foods. Method I - Liquid chromatography with post?column derivatisation and Method III - Liquid chromatography?tandem mass spectrometry of this standard are applicable to the determination of AFB1, AFB2, AFG1 and AFG2 in food. Method II - Liquid chromatography with pre?column derivatisation of this standard is applicable to the determination of AFB1, AFB2, AFG1 and AFG2 in oils and their products. Method IV - Enzyme?linked immunosorbent assay of this standard is applicable to the screening determination of AFB1 in cereals and their products, pulses and their products, nuts and seeds, oils and fats and their products, condiments, infant formula foods and infant complementary foods. Method I - Liquid chromatography with post?column derivatisation

GB 5009.22-2026 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 12,465 other GB standards.

Of the 4,081 GB standards that do carry an ICS number, 849 (21%) fall under ICS 13, in the field of environment and health protection, safety.

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3 About this standard

Issued by: National Health Commission; State Administration for Market Regulation

4 Related standards

Other parts of this standard:

GB 5009.1-1985 - General principles for the methods of food hygienic analysis (physical and chemical section)

GB 5009.1-2025 - Physical and chemical testing - General principles

GB 5009.2-2016 - Determination of relative density of foods

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

GB 5009.3-2010 - National food safety standard - Determination of moisture in foods

GB 5009.3-2016 - Moisture Content in Foods

GB 5009.4-2010 - National food safety standard - Determination of ash in foods

GB 5009.4-2016 - Ash in Foods

GB 5009.5-2010 - National food safety standard - Determination of protein in foods

GB 5009.5-2016 - National food safety standard - Determination of protein in foods

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

GB 5009.6-2016 - National food safety standard - Determination of fat in foods

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 5009.8-2016 - Determination of saccharose in foods

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

GB 5009.9-2016 - Determination of starch in foods

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

GB 5009.11-1985 - Method for determination of total arsenic in foods

GB 5009.11-2014 - National food safety standard - Determination of total arsenic and abio-arsenic in food

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

Preview: page 3 of 5 shown, full document available. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-5009-22-2026

GB 5009.12-1985 - Method for determination of lead in foods

GB 5009.12-2010 - National food safety standard - Determination of lead in foods

GB 5009.12-2017 - National food safety standard - Determination of lead in food

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

GB 5009.13-1985 - Method for determination of copper in foods

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

GB 5009.14-1985 - Method for determination of zinc in foods

GB 5009.14-2017 - Zinc in Foods

GB 5009.15-1985 - Method for determination of cadmium in foods

GB 5009.15-2014 - National Food Safety Standard - Determination of Cadmium in food

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

GB 5009.16-1985 - Method for determination of tin in foods

GB 5009.16-2014 - National Food Safety Standard - Determination of Tin in food

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

GB 5009.17-1985 - Method for determination of total mercury in foods

GB 5009.17-2014 - National Food Safety Standard - Determination of total mercury and organic-mercury in food

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

GB 5009.18-1985 - Method for determination of fluorine in foods

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

GB 5009.24-1985 - Method for determination of aflatoxins M1 and B1 in foods

GB 5009.24-2010 - M1 and B1 in foods

GB 5009.24-2016 - M Aflatoxins in Foods

GB 5009.25-1985 - Method for determination of sterigmatocystin in foods

GB 5009.25-2016 - Sterigmatocystin in Food

GB 5009.26-1985 - Method for determination of N-nitrosamines in foods

GB 5009.26-2016 - Determination of N-nitrosamines in foods

GB 5009.26-2023 - N-nitrosamines in foods

GB 5009.27-1985 - Method for determination of benzo (a)pyrene in foods

Preview: page 4 of 5 shown, full document available. Complete English PDF, instant download:
https://chinastandards.org/standards/gb-5009-22-2026

GB 5009.27-2016 - Benzo(a)Pyrene in Foods

GB 5009.28-1985 - Method for determination of saccharin sodium in foods

GB 5009.28-2016 - Benzoic Acid, Sorbic Acid and Saccharin Sodium in Foods

GB 5009.31-1985 - Method for determination of BHT in oils and fats

GB 5009.31-2016 - National Food Safety Standard - Food stuffs - Determination of p-hydroxybenzoic acid esters in food stuffs

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

GB 5009.32-1985 - Method for determination of PG in oils and fats

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

GB 5009.33-1985 - Method for determination of nitrite and nitrate in foods

GB 5009.33-2010 - National food safety standard - Determination of nitrite and nitrate in foods

GB 5009.33-2016 - Nitrite and Nitrate in Foods

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

GB 5009.34-1985 - Method for determination of sulphite in foods

GB 5009.34-2016 - National Food Safety Standard - Determination of sulfur dioxide in food stuffs

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

GB 5009.35-1985 - Method for determination of artificial colour in foods

GB 5009.35-2016 - National Food Safety Standard - Determination of synthetic colorants in food stuffs

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

GB 5009.36-1985 - Method for analysis of hygienic standard of grain

GB 5009.36-2016 - Method for analysis of hygienic standard of grains

GB 5009.36-2023 - Cyanide in Foods

GB 5009.42-1985 - Method for analysis of hygienic standard of table salts

GB 5009.42-2016 - Table Salt Index

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

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