



GB 5420-2021

National Food Safety Standard Cheese

食品安全国家标准 干酪

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

Release Date: Feb. 22, 2021
Implementation Date : Nov. 22, 2021

Translated by ChemLinked

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National Standard of the People's Republic of China

GB 5420-2021

In Replacement of GB 5420-2010

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Preface

This standard replaces GB 5420-2010 *National food safety standard Cheese*.

Compared with GB 5420-2010, the major changes of this standard are as follows:

- the scope has been revised;
- the terms and definitions have been revised;
- the sensory requirements have been revised;
- the microbiological limits have been revised;
- “4 Others” has been added;
- Annex A has been added.

National food safety standard

Cheese

1 Scope

This standard applies to cheese.

2 Terms and Definitions

2.1 Cheese

Cheese is the ripened or unripened, soft, semi-hard, hard, or extra-hard product, which may be coated, and in which the whey protein/casein ratio does not exceed the corresponding ratio in cow (or other dairy stock) milk (except whey cheese). Cheese shall be obtained with any of the methods as follows:

- (a) The solid or semi-solid products produced by coagulating wholly or partially the protein of milk and/or dairy products under the action of chymosin or other suitable coagulating agents (or by directly using clotted dairy curds as raw materials), with or without addition of fermentation strains, edible salts, food additives and food nutritional fortification substances, with or without draining whey (in case of using clotted protein curds as raw materials), with or without fermentation, *etc.*;
- (b) processing techniques involving coagulation of the protein of milk and/or dairy products which give an end-product with similar physical, chemical and organoleptic characteristics as the product defined under (a).

Note: Other food raw materials (not more than 8%) with specific flavor, such as white granulated sugar, garlic, pepper, *etc.*, can be added to both Process a) and b); the obtained solid products can be processed into various forms, and other food raw materials (not more than 8%) can be added to prevent the products from adhesion. The total amount of other food raw materials with specific flavor and other food raw materials for preventing product from adhesion shall not exceed 8%.

2.1.1 Ripened cheese

Ripened cheese is cheese which is not ready for use (consumption) immediately after manufacture but which must be held for a certain time, at certain temperature, and under other certain conditions as will result in the necessary biochemical and physical changes characterizing



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