

GB

The National Standard of the People's Republic of China

GB 10146—2015

National Food Safety Standard
Edible Animal Fats

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Issued by: National Health and Family Planning Committee of China

Preamble

This standard replaces GB 10146-2015 "Hygiene Standard for Edible Animal Fats".

Compared with GB 10146-2005, the major changes of this standard are as follows:

- Name of this standard was changed to "National Food Safety Standard - Edible Animal Fats ";
- Modified the scope;
- Modified the terms and definitions;
- Modified the sensory requirements;
- Modified the physical and chemical indexes;
- Added the requirements for Veterinary Drug Residue Limit;
- Added requirements for use of nutrition fortifier;
- Increased requirements for the labels.

National Food Safety Standard

Edible Animal Fats

1 Scope

This standard applies to edible animal fats, including only the edible lard, butter, suet, chicken and duck fat.

2 Terms and Definitions

2.1 Edible Animal Fats

Edible lard, butter, suet, chicken and duck fat refined with suet, meat fat, omentum or pure fat tissue attached to the internal organs of qualified pig, cattle, sheep, chicken and duck that are quarantined and inspected by animal hygiene monitoring agencies.

3 Technical Requirements

3.1 Ingredient Requirements

Raw materials shall comply with relevant food standards and regulations.

3.2 Organoleptic Requirements

The organoleptic requirements shall conform to the provisions of Table 1.

Table 1 Organoleptic Requirements

Items	Requirements	Analysis Method
Luster	It has the unique luster of this product, which is white or slightly yellow, and no mildew	Take an appropriate amount of sample, place in white porcelain dish, and observe color and appearance under natural light. Place the sample in 50mL beaker, heat in a water bath to 50°C, stir rapidly with a glass rod, smell it and taste it.
Taste and smell	It has specific odor and taste, without rancidity and other stink.	
State	It shall have no visible foreign matter	

3.3 Physical and Chemical Indexes

Physical and chemical indexes shall conform to the provisions of Table 2.

Table 2 Physical and Chemical Indexes

Item	Index	Analysis Method
Acid value (KOH)/(mg/g) ≤	2.5	GB 5009.299
Peroxide value/(g/100g) ≤	0.20	GB 5009.227
MDA/(mg/100g) ≤	0.25	GB 5009.181

3.4 Maximum Contaminant

The limits of contaminants shall comply with the provisions of GB 2762.

3.5 Veterinary Drug Residue Limit

Residues of veterinary medicine shall comply with the relevant state provisions and announcements.

3.6 Food additives and food nutrition fortifier

3.6.1 The food additives shall be used in accordance with the regulations as specified in *GB 2760*.

3.6.2 The food nutrition fortifier shall be used in accordance with the provisions in GB 14880.

4 Others

Single type of edible animal fats shall not be mixed with other type of fats.