



**NATIONAL STANDARD
OF THE PEOPLE'S REPUBLIC OF CHINA**

GB 2733-2015

**National Food Safety Standard
Fresh, Frozen Aquatic Products of Animal Origin**

Issued on: 2015-11-13

Implemented on: 2016-11-13

Issued by

**The National Health and Family Planning Commission of
the People's Republic of China**

Foreword

The standard replaces the *Hygienic Standards for Fresh and Frozen Aquatic Products of Animal Origin* (GB2733-2005).

In comparison with the GB2733-2005, main changes as following:

- The name of standard changes as “National food safety standard-fresh, frozen aquatic products of animal origin”;
- Modifies the scope;
- Modifies the requirements of sensory;
- Modifies the physical and chemical index;
- Adds shellfish toxin limits;
- Modifies pesticide residues;
- Adds veterinary drug residues;

National Food Safety Standard Fresh, Frozen Aquatic Products of Animal Origin

1 Scope

The standard applies to fresh, frozen aquatic products of animal origin, including marine products and freshwater products.

2 Technical requirements

2.1 Sensory requirements

The sensory requirements should conform to the stipulation in Table 1.

Table 1: Sensory requirements

| Item | Requirements | Testing methods |
|--------|---|--|
| Color | shall conform to normal color of aquatic products | Take some sample and place on the white porcelain, observe the color and status under the natural light, and smell |
| Smell | Should conform to the normal smell of aquatic products, no strange smell | |
| Status | The organization of aquatic products shall be normal, tight muscle, elastic | |

2.2 Physical and chemical index

The physical and chemical index shall conform to the stipulations in Table 2

Table 2 Physical and chemical indicators

| Item | Index | Testing methods |
|---|-------|-----------------|
| Total volatile basic nitrogen ^a /(mg/100g) | | GB 5009.228 |
| Seawater fish and shrimp | ≤ 30 | |
| Sea crab | ≤ 25 | |
| Freshwater fish and shrimp | ≤ 20 | |
| Frozen shellfish | ≤ 15 | |
| Histamine ^a /(mg/100g) | | GB/T 5009. 208 |
| Fishes with High Histamine | ≤ 40 | |
| Other sea fish | ≤ 20 | |
| ^a not apply to live aquatic products | | |

^b Fishes with High Histamine: refer to *Scomber japonicus*, Horse mackerel, scad, mackerel, skipjack, tuna, saury, Spanish mackerel, *pneumatophorus japonicas* and sardine, etc.

2.3 Pollutant limits

The pollutant limits should conform to the stipulations in GB 2762.

2.4 shellfish toxin limits

The shellfish toxin limits shall conform to the stipulations in Table 3.

Table 3 Shellfish toxin limits

| Item | Limits | Testing methods |
|---|--------|-----------------|
| Paralytic shellfish toxin (PSP)(MU/g) Shellfish ≤ | 4 | GB/T 5009.213 |
| Diarrhetic shellfish poison(DSP) (MU/g) ≤ Shellfish | 0.05 | GB/T 5009.212 |

2.5 Pesticide residues and veterinary drug residues

2.5.1 Pesticide residues limits shall conform to the stipulations in GB 2763.

2.5.2 Veterinary drug residues limits shall conform related national stipulations and notice.

2.6 Food additive

The usage of food additive shall conform to the stipulations in GB 2760.

3 Others

3.1 Shellfish, freshwater crabs, turtles, *trionyx sinensis*, ricefield eel shall be processed in vivo, its freezers shall be cleaned (killed or shelled) in vivo and then frozen.

3.2 Frozen aquatic products of animal origin shall be stored in -18C° or even lower. It is forbidden to store toxic, harmful and odor products in the same warehouse.