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

GB 29987-2013

Replacing GB 29987-2013

**National Food Safety Standard -- Food Additives -- Gum Base
and its Composition**

食品添加剂 丁苯橡胶

(English Translation)

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Table of Contents

Foreword

1 Scope

2 Terms and definitions

2.1 Gum base (also known as gelatin base or gum base in the base material)

2.2 Gum base ingredients

3 Basic requirements

4 Rubber technology requirements

4.1 Sensory requirements

4.2 Physical and chemical indicators

5 Logo

6 Natural rubber (latex solid) naturalrubber (latexsolids)

7 Polyvinyl acetate (PVA)

9 Rosin Glyceryl Ester glycerolesterofwoodrosin

10 Stearic acid, calcium stearate, magnesium stearate, sodium stearate, stearin

11 Sucrose fatty acid ester sucroseestersoffattyacid

12 Hydrogenated vegetable oil hydrogenvegetableoils

13 Cocoa cocoapowder

Foreword

C.1 Butadiene-Styrene 75/25, 50/50 Rubber (SBR) Substitutes GB 29987-2013 "Foodstuffs Safe national standard food additives styrene butadiene rubber".

National standards for food safety Food additive gum base and its ingredients

1 Scope

This standard applies to gum base and gum base.

2.1 Gum base (also known as gelatin base or gum base in the base material)

To rubber, resin, wax and other substances made by the use of materials for the production of gum base candy.

2.2 Gum base ingredients

Used in the rubber base of natural rubber, synthetic rubber, resin, wax, emulsifier, softener, antioxidants, preservatives, fillers and other food Tim Additive and cocoa powder and hydrogenated vegetable oil.

3 Basic requirements

3.1

glue base should be selected in Appendix A listed in the base material made with.

3.2

The quality specifications of natural rubber, synthetic rubber, resin and wax shall be in accordance with the corresponding provisions of Appendix B to Appendix E respectively.

3.3

The quality specifications of the emulsifier and softener in the gum base shall comply with the corresponding provisions of Appendix F or the corresponding national standards for food safety carried out.

3.4

The quality of antioxidants, preservatives and fillers in the gum base shall be in accordance with the national standards for the corresponding food safety.

4.1 Sensory requirements

Shall comply with the provisions of Table 1.

Table 1 sensory requirements

Requires inspection method should not have smell, should not have corruption and mildew phenomenon, should not have normal vision can be See the external impurities Take the appropriate amount of the test sample in a colorless transparent container or white porcelain dish, placed in the Ming Bright, observe the shape, color, and smell the smell at room temperature

4.2 Physical and chemical indicators

Shall comply with the provisions of Table 2.

Table 2 Physical and chemical indicators

Project indicator detection method Total arsenic (in As)/(mg/kg) $\leq$ 1.5 GB/T 5009.11 Lead (Pb)/(mg/kg) $\leq$ 1.5 GB 5009.12

5 Logo

5.1

The gum base table shall be marked with natural rubber, synthetic rubber, resin, wax, emulsifier, softener, antioxidant, preservative and filler Category name, no specific name.

5.2

In addition to the ingredients table, the identification of gum base and gum base ingredients shall be carried out in accordance with the requirements of GB 29924; the gum base may not mark "food additives" Words.

Appendix A

List of ingredients allowed for use the gum base shall be formulated with the substances listed in Table A.1. The amount of each component in accordance with the relevant provisions of the implementation, not required by the production needs Appropriate use.

Table A.1 list of ingredients allowed for use

Chinese name/category	English name
A1 natural rubber	naturalgum 1 balata gum
massarandubabalata	

2 Dayton	Dayton jelutong	3 to open the European rubber	lechecaspi (sorva)
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4 Gorgon	palm tree chiquibul	5 sugar gum	gum chicle
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6 Natural rubber (latex solid) naturalrubber (latexsolids)

A2 synthetic rubber	1 butadiene-styrene 75/25,50/50 rubber (butadiene rubber)
butadiene-styrenerubber	75/25,50/50 (SBR)
2 polybutylene	3 polyethylene
polyisobutylene	5 isobutylene-isoprene copolymer (butyl rubber)
isobutylene-isoprenecopolymer	(butylrubber)
A3 resin	1 part dimer rosin (including rosin, wood rosin, tall rosin)
Gan Oil ester	glycerolesterofpartialydimerizedrosin (gum, wood, taloil)
2 partially hydrogenated rosin (including rosin, wood rosin, tall rosin)	Gan Oil ester
glycerolesterofpartialyhydrogenatedrosin (gum, wood, taloil)	3 partially hydrogenated rosin (including rosin, wood rosin, tall rosin)
Tetraol ester	pentaerythritolesterofpartialyhydrogenatedrosin (gum, wood, taloil)
4 partially hydrogenated rosin (including rosin, wood rosin, tall rosin)	methyl esterofpartialyhydrogenatedrosin (gum, wood, taloil)
5 vinyl acetate-vinyl laurate vinylacetate-vinyllauratecopolymer	6 synthetic resin (including terpene resin) syntheticresin (syntheticterpeneresin)

7 Polyvinyl acetate (PVA)

8 Agative rosin (including wood rosin, tall rosin)	Glycerol esterofpolymerizedrosin (gum, wood, taloil)
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9 Rosin Glyceryl Ester glycerolesterofwoodrosin

10 rosin (including rosin, wood rosin, tall rosin) pentaerythritolesterofrosin (gum, wood, taloil) 11 rosin glycerol ester glycerolesterofgumrosin 12 tall rosin glycerol ester glycerolesteroftaloilrosin A4 wax wax 1 carnauba wax 2 beeswax

3 Polyethylene wax homopolymer Polyethylene-waxhomopolymer 4 paraffin 5 petroleum paraffin (Fischer-Tropsch) paraffinwax, synthetic (Fischer-Tropsch) 6 microcrystalline paraffin microcrystallinewax 7 candelilla candle candelilawax

Table A.1 (continued)

Chinese name/category English name A5 emulsifier, softener 1 propylene glycol 2 single, double glycerol fatty acid ester mono-anddiglyceridesoffattyacids 3 glycerol (glycerol) glycerine (glycerol) 4 pectin pectins 5 alginic acid, sodium alginate (also known as sodium alginate), alginic acid, sodiumalginate, ammonium alginate 6 phospholipid 7 gelatin 8 triacetin 9 acetylated mono-, diglycerin fatty acid ester acetylatedmono-anddiglyceride (aceticandfattyacid estersofglycerol)

10 Stearic acid, calcium stearate, magnesium stearate, sodium stearate, stearin

Potassium

stearicacidanditscalcium, magnesium, sodium potassimsalts

13 Cocoa cocoapowder

A6 antioxidant, preservative antioxidant, preservative 1 benzoic acid, sodium benzoate 2 butyl hydroxy anisole (BHA) butylatedhydroxyanisole

3 Dibutylhydroxytoluene (BHT) butylatedhydroxytoluene 4 propyl gallate (PG) propylgallate 5 sorbicacid, potassiumsorbate

6 Vitamin E (dl-alpha-tocopherol, d-alpha-tocopherol, mixed with tocopherol Shrinkage) vitamine E (dl-alpha-tocopherol, d-alpha-tocopherol, mixedto-copherolconcentrate 7 bamboo leaf antioxidant antioxidantofbambooleaves A7 filler filingagent Talc talc 2 calcium hydrogenphosphate (dicalciumorthophosphate) 3 calcium carbonate (including light and heavy calcium carbonate) (light, heavy) 4 magnesium carbonate Appendix B Rubber-based ingredients are allowed to use natural rubber B.1 Balata gum B.1.1 traits Natural plant - derived condensate. Due to moisture content and refining process of different heat treatment, color from white to brown. Generally insoluble in water and cold ethanol, partially soluble in hot ethanol, soluble in oil.

B.1.2 Physical and chemical indicators shall comply with the provisions of Table B.1.