

Sanitation Standard for Chewing and Bubble Gum Bases as Food Raw Materials

DOH Food No. 498933 Announced, 11/15/1984
MOHW Food No. 1021350146 Amended, 08/20/2013

Article 1

The Standards are prescribed in accordance with the provisions of Article 17 of the Act Governing Food Sanitation.

Article 2

A chewing or bubble gum base shall consist of one or more components listed in the Appendix. The amount of usage of each component shall not be more than the amount needed for processing. Besides the materials listed in the Appendix, chewing and bubble gum bases may also contain other food additives which are allowed for use chewing and bubble gum bases under the regulations set in the “Standards for Specification, Scope, Application and Limitation of Food Additives”.

Article 3

The maximum tolerance of heavy metals:

1. Arsenic (As) : Not more than 3 ppm (as As) .
2. Lead (Pb) : Not more than 3 ppm.
3. Heavy metal : Not more than 0.004% (as Pb) .

Article 4

The tolerance of bacteria shall meet the requirements set in the “Sanitation Standard for General Foods”.

Article 5

This Standard shall be implemented from the date of promulgation.

Appendix - Chewing Bases

1. Natural chewing bases (congealed or concentrated plant latexes)		
Name of plant latexes	Source	
	Family	Genus and species
1. Chicle	<i>Sapotaceae</i>	<i>Sapodilla</i> (or <i>Manikara zapota</i> L.) and <i>Manilkara chicle</i> Gilly.
2. Chiquibul	<i>Sapotaceae</i>	<i>Sapodilla</i> (or <i>Manikara zapota</i> L.)
3. Crown gum	<i>Sapotaceae</i>	<i>Sapodilla</i> (or <i>Manikara zapota</i> L.) and <i>Manilkara chicle</i> Gilly.
4. Gutta hang kang	<i>Sapotaceae</i>	<i>Palaquium leiocarpum</i> Borel and <i>Palaquium oblongifolium</i> Burck.
5. Massaranduba balata and the extracted resin after desolventization	<i>Sapotaceae</i>	<i>Manilkara huberi</i> (Ducke) Chevalier.
6. Massaranduba chocolate	<i>Sapotaceae</i>	<i>Manilkara solimoesensis</i> Gilly.
7. Nispero	<i>Sapotaceae</i>	<i>Sapodilla</i> (or <i>Manikara zapota</i> L.) and <i>Manilkara chicle</i> Gilly
8. Rosidinha (or rosadinha)	<i>Sapotaceae</i>	<i>Micropholis</i> (or <i>Sideroxylon</i>) Genus
9. Venezuelan chicle	<i>Sapotaceae</i>	<i>Manilkara williamsii</i> Standley and relevant species
10. Jelutong	<i>Apocynaceae</i>	<i>Dyera costulata</i> Hook, F. and <i>Dyera lowii</i> Hook, F.
11. Leche caspi (or sorva)	<i>Apocynaceae</i>	<i>Couma macrocarpa</i> Barb. Rodr.
12. Pendare	<i>Apocynaceae</i>	<i>Couma macrocarpa</i> Barb. Rodr. and <i>Couma utilis</i> (Mart.) Muell. Arg.
13. Perillo	<i>Apocynaceae</i>	<i>Couma macrocarpa</i> Barb. Rodr. and <i>Couma utilis</i> (Mart.) Muell. Arg.
14. Leche de vaca	<i>Moraceae</i> <i>Apocynaceae</i>	<i>Brosimum utile</i> (H.B.K.) Pittier, <i>Poulsenia</i> Genus and <i>Lacmellea standleyi</i> (Woodson) . <i>Monachino</i> .
15. Niger gutta	<i>Moraceae</i>	<i>Ficus platyphylla</i> Del.
16. Tunu (or tuno)	<i>Moraceae</i>	<i>Castilla fallax</i> Cook.
17. Chilte	<i>Euphorbiaceae</i>	<i>Cnidoscolus</i> (or <i>Jatropha</i>) <i>elasticus</i> Lundell and

		<i>Cnidoscolus tepiquensis</i> (Cost. and Gall) McVaugh.
18. Natural rubber (smoked foils or leaves, or latex solid)	<i>Euphorbiaceae</i>	<i>Hevea brasiliensis</i> .
2.Synthetic chewing bases		
NO	Name	
1	Butadiene-styrene Rubber	
2	Petroleum Wax	
3	Petroleum Wax, Synthetic	
4	Paraffin, Synthetic	
5	Isobutylene-isoprene Copolymer (Butyl Rubber)	
6	Polyethylene	
7	Polyisobutylene	
8	Polyvinyl Acetate	
3.Plasticizers		
NO	Name	
1	Methyl Acetyl Ricinolate	
2	Glycerol Ester of Wood Rosin	
3	Lanolin	
4	Rice Bran Wax	
5	Glycerol Ester of Tall Oil Rosin	
6	Glycerol Ester of Gum Rosin	
7	Glycerol Ester of Partially Dimerized Rosin	
8	Methyl Ester of Rosin, Partially Hydrogenated	
9	Glycerol Ester of Partially Hydrogenated Gum or Wood Rosin	
10	Pentaerythritol Ester of Partially Hydrogenated Gum or Wood Rosin	
11	Stearic Acid	
12	Sodium and Potassium Stearate	
13	Polybutylene	
14	Glycerol Ester of Polymerized Rosin	
15	Pentaerythritol Ester of Gum or Wood Rosin	
4.Terpene Resins		
NO	Name	
1	Natural Resin	
2	Synthetic Resin	