

Notification of the Ministry of Public Health

(No. 295) B.E. 2548 (2005)

Re: Qualities or standard for container made from plastic

It deems appropriate to amend the notification of the Ministry of Public Health, Re: Qualities or standard for food container made from plastic

By the virtue of provisions of Section 5 and 6(6) and (9) of the Food Act B.E. 2522 (1979), in which contain provisions in relation to the restriction of Rights and Liberties of the Persons, in respect of which Section 29 and in conjunction with Section 35, Section 39, Section 48 and Section 50 of the Constitution of the Kingdom of Thailand so permit by virtue of provisions of law: the Minister of Public Health hereby issues the notification as follows:

Clause 1 Shall be repealed the Notification of the Ministry of Public Health No. 111 (B.E. 2531 (1988)), Re: Qualities or standards of plastic containers, usage of plastic containers and prohibition of usage of articles as food containers on 22nd January 1988.

Clause 2 In this Notification, container means an article used to contain food irrespective of whether it be used by putting or by wrapping the food or by any other methods, and it shall mean to include cover or stopper.

Clause 3 Container made from plastic shall have the following qualities or standards:

(1) Clean.

(2) Not give out other substances to contaminate with food in a quantity that may be hazardous to health.

(3) Not contains pathogenic microorganisms.

(4) Not give out colour to contaminate with food.

Clause 4 Containers made from plastic, shall have not only qualities or standards according to clause 3, but shall have also qualities or standards according to the list in Annex 1 attached hereto.

Clause 5 The analysis of qualities or standards of dispersion of plastic containers shall be carried out by the methods prescribed by Food and Drug Administration.

Clause 6 Plastic containers which used for containing milk or milk products shall be Polyethylene, Ethylene, 1-Alkene Copolymerized resin, Polypropylene, Polystyrene or Polyethylene terephthalate.

Milk products according to the first paragraph as follows: cultured milk, infant formula milk, flavoured milk and cream excluding milk and milk products in form of powder or dried.

Clause 7 It is prohibited to use coloured plastic containers to contain food except the following cases:

(1) Laminate plastic specifically the layer that does not directly with food.

(2) Plastic used to contain fruits with peel.

(3) Other cases which approval has been obtained from Food and Drug Administration.

Clause 8 It is prohibited to use plastic container made from re-used plastic exempt using for packing fruits with peel.

Clause 9 It is prohibited to use plastic containers to contain food which made from plastic containers used to contain or pack fertilizer, toxic substances or other hazardous substances to health.

Clause 10 It is prohibited to use plastic containers to contain food which made from plastic which used to contain non-food matters or having pictures, invented designs or other statements that mislead in important information of food contained in the containers.

This notification shall come into force as from the day following date of its publication in the Government Gazette

Notified on 30th of December 2005

signed Anutin Charnverakul

(Mr. Anutin Charnverakul)

Deputy Ministry of Ministry of Public Health on behalves of
The Minister of Public Health

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Certified true copy

Varunee Saensupa

(Miss Varunee Saensupa)

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Note: This English version of the notification is translated to meet the need of the non-Thai speaking people.
In case of any discrepancy between the Thai original and the English translation, the former will take priority.

List number 1

Attachment of Notification of the Ministry of Public Health (No. 295) B.E. 2548 (2005)

Table 1 Qualities and standard of plastic

Type of plastic*	Maximum level (Milligram per 1 Kilogram)											Plastic used for containing milk or milk product which type of plastic on the contact side are:			
	Polyvinylchloride	Poly ethylene Polypropylene	Polystyrene	Polyvinylidene chloride	Polyethylene terephthalate	Polycarbonate	Nylon (pa)	Polyvinyl alcohol	Polymethy methacrylate	Polymethyl pentene	Melamine	Polyethylene or Ethylene 1-alkene copolymerized resin	Poly propylene	Polystyrene	Polyethylene terephthalate
(1) Lead	100	100	100	100	100	100	100	100	100	100	100	-	-	-	100
(2) Heavy metal (calculated as lead)	-	-	-	-	-	-	-	-	-	-	-	20	20	20	-
(3) Barium	-	-	-	100	-	-	-	-	-	-	-	-	-	-	-
(4) Dibutyltin compound	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(5) Cresyl phosphate	1,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(6) Vinyl chloride monomer	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(7) Volatile substance; toluene, ethylbenzene, isopropylbenzene, normal propylbenzene and styrene	-	-	5,000 2,000**	-	-	-	-	-	-	-	-	-	-	1,500	-
(8) Vinylidene choride	-	-	-	6	-	-	-	-	-	-	-	-	-	-	-
(9) Asenic	-	-	-	-	-	-	-	-	-	-	-	2	2	2	-
(10) Extracted substance by normal hexane	-	-	-	-	-	-	-	-	-	-	-	26,000	55,000	-	-
(11) Substance dissolv in xylene	-	-	-	-	-	-	-	-	-	-	-	113,000	300,000	-	-
(12) Bisphenol a (included phenol and p-t-butylphenol)	-	-	-	-	-	500	-	-	-	-	-	-	-	-	-
(13) Diphenolcarbonate	-	-	-	-	-	500	-	-	-	-	-	-	-	-	-
(14) Amine (tri-ethalene and tri-butylamene)	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
(15) Cadmium	100	100	100	100	100	100	100	100	100	100	100	-	-	-	100

Remark : - do not analyze

* Other types of plastic which not determine qualities or standard shall have qualities or standard according to food and drug administration

** In case, the use at temperature higher than 100 degree Celsius but the quantity of styrene shall not exceed 1,000 Milligrams per 1 Kilograms and ethyl benzene shall not exceed 1,000 Milligrams per 1 Kilograms

Table 2 Qualities and standard of dissemination

Type of plastic*	Maximum level (Milligram per 1 Cube decimeter of reagent)											Plastic used for containing milk or milk product which type of plastic on the contact side are:			
	Polyvinylchloride	Poly ethylene Polypropylene	Polystyrene	Polyvinylidene chloride	Polyethylene terephthalate	Polycarbonate	Nylon (pa)	Polyvinyl alcohol	Polymethy methacrylate	Polymethyl pentene	Melamine***	Polyethylene or Ethylene 1-alkene copolymerized resin	Poly propylene	Polystyrene	Polyethylene terevthalate
(1) Phenol	-	-	-	-	-	-	-	-	-	-	Not detect	-	-	-	-
(2) Formaldehyde	-	-	-	-	-	-	-	-	-	-	Not detect	-	-	-	-
(3) Antimony	-	-	-	-	0.05	-	-	-	-	-	-	-	-	-	0.025
(4) Germanium	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-	0.05
(5) Heavy metal (calculated as lead)	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
(6) Potassium permanganate used for reaction	10	10	10	10	10	10	10	10	10	10	10	5	5	5	5
(7) Residue substances which is evaporate in water (in case of foods with acidity exceeding 5)	30	30	30	30	30	30	30	30	30	30	-	-	-	-	-
(8) Residue substances which is evaporate in 4% concentrated acetic acid (in case of foods with acidity less than 5)	30	30	30	30	30	30	30	30	30	30	30	15	15	15	15
(9) Residue substances which is evaporate in 20% concentrated alcohol (in case of alcoholic foods)	30	30	30	30	30	30	30	30	30	30	-	-	-	-	-

Table 2 Qualities and standard of transmission (Con.)

Type of plastic*	Maximum level (Milligram per 1 Cube decimeter of reagent)											Plastic used for containing milk or milk product which type of plastic on the contact side are:			
	Polyvinylchloride	Poly ethylene Polypropylene	Polystyrene	Polyvinylidene chloride	Polyethylene terephthalate	Polycarbonate	Nylon (pa)	Polyvinyl alcohol	Polymethy methacrylate	Polymethyl pentene	Melamine	Polyethylene or Ethylene 1-alkene copolymerized resin	Poly propylene	Polystyrene	Polyethylene terevitalate
(10) Residue substance from volatile matters in normal heptane (in case of lipid oil and food contains lipid)	150	150 30**	240	30	30	30	30	30	30	120	-	75****	-	-	-
(11) Bisphenol a (phenol and p-t-butyl phenol) extracted by water (in case of food with acidity exceed 5)	-	-	-	-	-	2.5	-	-	-	-	-	-	-	-	-
(12) Bisphenol a (phenol and p-t-butyl phenol) extracted by 4% concentrated acetic acid (in case of food with acidity less than 5)	-	-	-	-	-	2.5	-	-	-	-	-	-	-	-	-
(13) Bisphenol a (phenol and p-t-butyl phenol) extracted by 20% concentrated ethanol (in case of alcoholic food)	-	-	-	-	-	2.5	-	-	-	-	-	-	-	-	-
(14) Bisphenol a (phenol and p-t-butyl phenol) extracted by normal heptane (in case of lipid oil and food contains lipid)	-	-	-	-	-	2.5	-	-	-	-	-	-	-	-	-
(15) Caprolactame	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-
(16) Meta crylate	-	-	-	-	-	-	-	-	30	-	-	-	-	-	-

Remark : - do not analyze

* Other types of plastic which not determine qualities or standard shall have qualities or standard according to food and drug administration

** In case of the use at temperature higher than 100 degree Celsius

*** In case of the use at temperature higher than 100 degree Celsius, analyze at temperature 95 degree Celsius for 30 minutes

**** For milk and creamy milk products