

Notification of the Ministry of Public Health  
(No....) B.E 2567 (2022)  
Issued by virtue of the Food Act B.E. 2522  
Re: Extraction solvent used in food production

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Whereas it is expedient to prescribe the measures to regulate extraction solvent used in food production with a view of consumer protection ;

By virtue of the provisions of section 5 paragraph one and section 6 (1), (2), (4), (5), (6), (7), (9) and (10) of the Food Act, B.E. 2522 (1979), the Minister of Public Health hereby issues the Notification as follows:

Clause 1 The notification of the ministry of public health (No. 259), B.E. 2545 issued under the food act, B.E. 2522 Re: Application of methyl alcohol as processing aid in some foods shall be repeal.

Clause 2 This notification shall not apply to the products that have been regulated by specific notification as follows:

- (1) Drinking water used as Extraction solvents
- (2) Edible oils and fats used as Extraction solvents
- (3) Extraction solvents use in Food additive production

Clause 3 In this Notification:

“Extraction solvent” means a food additive which is intended to be used as a processing aid to extract substances during the processing of raw materials, of foodstuffs, or of components or ingredients of these products and which is removed.

“Processing aid” means any substance or material which is not used for consumption as a food ingredient but is used in the production of processed food, preparation of raw materials or ingredients of food to fulfil a technological purpose during the processing, and which may result in the non-intentional but unavoidable presence of such substance or derivatives thereof as residues in the final product

Clause 4 Extraction solvent used in food production shall be a specifically controlled food.

Clause 5 Extraction solvent used in food production shall be in compliance with the quality or standards as mentioned in;

(1) the latest version of the Combined Compendium of Food Additive Specifications, FAO JECFA Monographs;

(2) the notification of Food and Drug Administration in accordance with the Notification of the Ministry of Public Health on food additives.

Clause 6 Extraction solvent which is a mixture of two or more active ingredients and/or other ingredients shall not be harmful to health, shall meet the technological purpose and shall conform to the following requirements;

(1) Active ingredients of the extraction solvent shall be in compliance with the quality or standards requirements as specified in Clause 5

(2) Food additives used in extraction solvent shall comply with the condition of used under the notification of the ministry of public health on food additives

(3) Water used in extraction solvent must conform to the quality or standards under the notification of the Ministry of Public Health on packed drinking water

(4) Edible oils and fats used in extraction solvent must conform to the quality or standards under the notification of the Ministry of Public Health on Edible oils and fats

(5) Arsenic in mixed substance of extraction solvent shall not exceed 3 milligrams per kilogram

(6) Lead in mixed substance of extraction solvent shall not exceed 10 milligrams per kilogram

Clause 7 The use of extraction solvent must conform to the Schedule annexed to this Notification

In the case where the use of extraction solvent is different from the use prescribed in the Schedule annexed to this Notification, the approval from the Food and Drug Administration must be obtained. In this regard, evidence and documents shall be submitted in accordance with the notification of the Ministry of Public Health on food additives.

Clause 8 The labelling of extraction solvent used in food production shall comply with the Notification of the Ministry of Public Health regarding food additives.

The labelling of food product which extraction solvent used during production shall comply with the Notification of the Ministry of Public Health on labelling of pre-packaged food

Clause 9 The use of container or packaging for extraction solvent used in food production shall comply with the Notification of the Ministry of Public Health on food containers

Clause 10 Producing or importing of extraction solvent for used in food production must comply with the Notification of the Ministry of Public Health on production practices, production equipment and utensils, and storage of food

Clause 11 the producer or the importer of extraction solvent for used in food production who has the license prior to the date of this Notification comes into force shall duly comply with this Notification within one years from the date this Notification comes into force

Clause 12 the producer or the importer of food product which use an extraction solvent during production who has the license prior to the date this Notification comes into force shall duly comply with this Notification within two years from the date this Notification comes into force

Clause 13 This Notification shall come into force as from the day following date of its publication in the Government Gazette onwards.

Notified on.....

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 original Thai version shall prevail.

Schedule Annexed to the Notification of The Ministry of Public Health (No. ....), B.E. .... (.....)

Issued under the Food Act, B.E. 2522 (1979) Re: Extraction solvent used in food production

No.	List of substances	Types of food	Maximum use level (mg/kg)	Maximum residue level in food (mg/kg)	Specific condition
1	Acetone (INS - ; CAS 67-64-1)	Edible fat or oils and food oils	GMP	0.1	Prohibit use in the refining of olive-pomace oil
		Flavoring substance	GMP	30	
2	Butane or n-butane (INS 943a)	All foods	GMP	0.1	
		Flavoring substance	GMP	1	
3	n-butanol or butan-1- ol or butyl alcohol (INS - ; CAS 76-36-3)	All foods	GMP	10	
4	Carbon dioxide (INS 290; CAS124-38-9)	All foods	GMP	GMP	
5	Cyclohexane) (INS-; CAS 110-82-7)	Flavoring substance	GMP	1	
6	Dichloromethane (INS-; CAS 75-09-2)	Decaffeinated coffee or tea	GMP	2	
		Flavoring substance	GMP	0.02	
7	Diethyl ether (INS-; CAS 60-29-7)	Flavoring substance	GMP	2	
8	Ethanol (INS - ; CAS64-17-5)	All foods	GMP	GMP	Except for use in beverage do not exceed 5,000 mg/kg

No.	List of substances	Types of food	Maximum use level (mg/kg)	Maximum residue level in food (mg/kg)	Specific condition
9	Ethyl acetate (INS - ; CAS141-78-6)	All foods	GMP	GMP	
10	Ethyl methyl ketone (INS-; CAS 78-93-3))	Decaffeinated coffee or tea	GMP	2	The combined use with Hexane is prohibited.
		Flavoring substance	GMP	2	
11	Hexanes (INS - ; CAS -)	Preparation of defatted protein products and defatted flours	GMP	10	The combined use with Ethyl methyl ketone is prohibited.
		The defatted soya products as sold to the final consumer	GMP	30	
		Preparation of defatted cereal germs	GMP	5	
		Other foods	GMP	1	
12	Propan-2-ol or isopropyl alcohol (INS - ; CAS 67-63-0)	All foods	GMP	10	
13	Propane or n-propane (INS 944)	All foods	GMP	1	
14	Toluene (INS-; CAS 108-88-3)	Flavoring substance	GMP	1	