



LABELLING OF FOOD ADDITIVES

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FINNISH CUSTOMS LABORATORY IS CONTROLLING IMPORTED FOODSTUFFS OF NON-ANIMAL ORIGIN

- Food additives**
 - Pesticide residues**
 - Heavy metals**
 - Mycotoxins**
 - Microbiological quality**
 - Radioactivity and food irradiation**
 - Labelling questions**
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- 80 persons (30 chemists and microbiologists)**
 - Modern instrumentation**
 - Accredited food control laboratory**



WHY IS CORRECT LABELLING OF FOOD ADDITIVES IMPORTANT?



- **Allergenic or hypersensitive consumers must be able to avoid those ingredients, which may cause health problems to them**
- **Fair competition between producers demands that all companies strictly follow the rules of labelling. Many consumers are afraid of food additives.**

WHAT IS THE SCOPE OF LABELLING DIRECTIVE 2000/13/EC?

- **Foodstuffs to be delivered as such to ultimate consumers**
- **Foodstuffs intended for supply to restaurants, hospitals, canteens and other similar mass caterers**
- **Presentation and advertising of foodstuffs**

LABELLING OF FOOD ADDITIVES

- EU has permitted the use of 356 food additives**
- Additives must be labelled by the name of category followed by their chemical name or E number**
- Food additives need not be labelled if their presence in a given foodstuff is due to the fact that they were contained in one or more ingredients and they serve no technological function in the finished product (carry-over principle)**

Example

preservative (E211) or preservative (sodium benzoate)

CATEGORIES OF FOOD ADDITIVES

Colour

Preservative

Antioxidant

Emulsifier

Thickener

Gelling agent

Stabiliser

Flavour enhancer

Acid

Acidity regulator

Anti-caking agent

Modified starch

Sweetener

Raising agent

Anti-foaming agent

Glazing agent

Emulsifying salts

Flour treatment agent

Firming agent

Humectant

Bulking agent

Propellant gas

DRIED MASHED POTATO MIX

INGREDIENTS:

- dehydrated potato (99 %)
- emulsifier (E471)
- stabilisier (E450)
- antioxidant (E304)
- preservative (sodium metabisulphite)
- Colourant (E100)





DRINK WIT ADDED TAURIN, CAFFEINE AND SWEETENERS

High caffeine content (32 mg/100 ml)

- water
- acid (citric acid E330)
- carbon dioxide
- acidity regulator (sodium citrate E331)
- taurine 0,4 %
- glucoronolactone 0,24 %
- sweeteners (sucralose E959, acesulfame K E950)
- flavours (caffeine)
- colours (E101, E150c)
- vitamins: niacin B3, panthothenic acid B5, B6, B12