



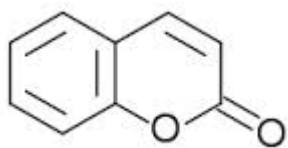
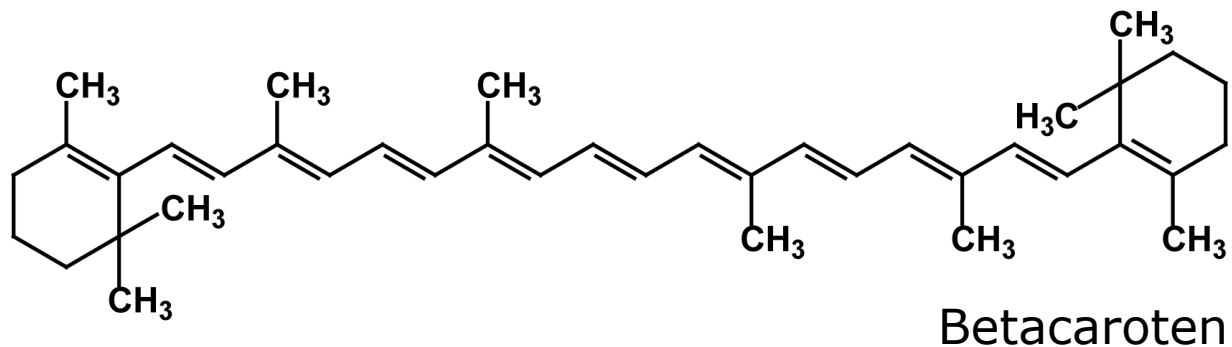
**Ministry of Food, Agriculture
and Fisheries of Denmark**

Danish Veterinary and
Food Administration

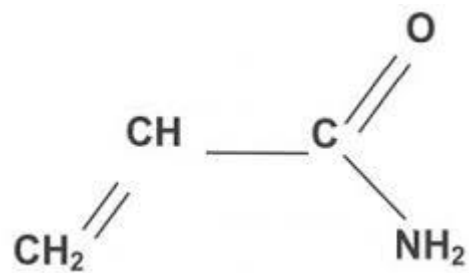
The role of DVFA in toxicology – risk management

25 April 2022

Perception of chemistry of food – "we don't want it"



Kumarin



Akrylamid



Chemicals in food

Environmental contaminants

- dioxine, PCB, metals..

Process contaminants

- PAH, acrylamid..

Migration from packaging material

- metals, phthalates, bisphenol A, PFAS...

Natural toxines

- Phenylhydrazins, lectine, stevia, mycotoxins...

- **Pesticide residues**

Herbicides, insecticides, fungicides, growth regulators..

Food additives – unwanted?

- Sweetners, baking powder, colorants, flavorings, preservatives...



Avarenes of chemicals in food

- DFVA and DTU
- Politicians
- Media
- Consumers



Minister fights chemistry in pizza boxes

PFOS in meat – a severe health risk

Pesticides in half of all Danish apples

Baker on the cinnamon gate: The cinnamon bun survives

Rice biscuits can cause cancer

Micro wave popcorn are poisonous

Risk assessment is the tool

EFSA
DTU Food

Hazard assessments

Exposure assessments

TDI



Exposure

Risk management I

Legislation

Authorisations - food additives, pesticides, (FCM)

Positive lists

Bans

Legal limits

EU or DK



Risk management II

Inspection, control and information to food business operators

Focus on unwanted chemicals in the quality control of the FBO

Use of food additives

Reduction of process contaminants (e.g. PAH, acrylamide)

Use of FCM

The image shows a screenshot of a Danish food control report (Kontrolrapport) from the Danish Food Safety and Inspection Authority (Fødevarermyndigheden). The report is titled 'Kontrolrapport' and includes the following information:

- Inspected:** Supermarked Fakta
- Address:** Jernbanegade 12
- Postal Code:** 4000 Roskilde
- City:** Roskilde
- Control Date:** 02-01-2008
- Control Type:** Fødevarer kontrol
- Control Dates:** 27-10-2007, 24-06-2007, 01-02-2006

Kontrolpunkt	Resultat
Hygiene: Vaskning af hænder	
Hygiene: Tøj	
Hygiene: Håndklæder	0
Hygiene: Gulv	0
Hygiene: Vaskemiddel	0

The report also features a 'Sikring' (Safety) section with a smiley face icon and the word 'Sikring' below it, indicating a successful safety check.

Risk management III

Information to consumers

Some times legislation and control is not enough

Consumer's behavior can reduce the risk

Guides to consumers at fvst.dk/kendkemien og på facebook

