

# Maximum levels of delta-9-tetrahydrocannabinol ( $\Delta$ 9-THC) in hemp seeds

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European Commission publishes Regulation introducing maximum levels for delta-9-tetrahydrocannabinol ( $\Delta$ 9-THC) in hemp seeds and derived products

Commission Regulation (EU) [2022/1393](#) of 11 August 2022 amending Regulation (EC) No 1881/2006 as regards maximum levels of delta-9-tetrahydrocannabinol ( $\Delta$ 9-THC) in hemp seeds and products derived therefrom

## Update

On 12 August 2022 the European Commission published a Regulation establishing maximum levels for delta-9-tetrahydrocannabinol ( $\Delta$ 9-THC) in hemp seeds and derived products.

## Impacted products

hemp seeds and derived products

## What is changing?

The new maximum levels are presented in Table 1.

## Why?

In 2015, EFSA assessed the risk to human health related to the presence of  $\Delta$ 9-THC in milk and dairy products ([EFSA 2015](#)).

In 2020 EFSA published a scientific report assessing exposure to  $\Delta$ 9-THC, and found that the rate of 1  $\mu$ g  $\Delta$ 9-THC per kg body weight as an acute reference dose was exceeded in certain exposure estimates ([EFSA 2020](#)). The Commission therefore considers that maximum levels should be set for hemp seeds and derived products.

## Timeline

Date of publication: 12 August 2022.

Date of application: 1 January 2023.

Products lawfully placed on the market before 1 January 2023 may remain on the market until their date of minimum durability or use-by-date (even if they exceed the new maximum levels).

## What are the major implications for exporting countries?

This regulation is of particular relevance to Chinese exporters, whose exports make up 94% of AGRINFO partner hemp seed exports to the EU. Lebanon and Paraguay are the next largest exporters.

## Recommended Actions

Exporters of hemp seeds and derived products must ensure that adequate measures are put in place to prevent contamination during processing in order to meet the newly established levels ([BfR 2018](#)).

## Resources

BfR (2018) [Tetrahydrocannabinol levels are too high in many hemp-containing foods - health impairments are possible](#). Bundesinstitut für Risi.

EFSA (2015) [Scientific Opinion on the risks for human health related to the presence of tetrahydrocannabinol \(THC\) in milk and other food of animal origin](#). EFSA Journal, 13(6): 4141.

EFSA (2020) [Acute human exposure assessment to tetrahydrocannabinol \( \$\Delta^9\$ -THC\)](#). EFSA Journal, 18(1): 5953.



## Sources

Commission Regulation (EU) [2022/1393](#)

Commission Regulation (EU) [2023/915](#) of 25 April 2023 on maximum levels for certain contaminants in food and repealing Regulation (EC) No 1881/2006

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## Table & Figures

Table 1 Maximum levels of delta-9-tetrahydrocannabinol ( $\Delta^9$ -THC) in hemp seeds		
Foodstuffs		New maximum level (mg/kg)
8.6	Reducing ( $\Delta^9$ -THC) equivalents	
8.6.1	Hemp seeds	3.0
8.6.2	Ground hemp seeds, (partially) defatted hemp seed and other hemp seed derived/processed products with the exception of the products referred to in 8.6.3.	3.0
8.6.3	Hemp seed oil	7.5
Source: based on Commission Regulation (EU) 2022/1393   <a href="http://www.agrininfo.eu">www.agrininfo.eu</a>		

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