



CleanSmoke

is a product and environmental-friendly smoking process in accordance with EU Organic Regulation

A SMOKING PROCESS WITH PRE-PURIFIED SMOKE FOR ORGANIC PRODUCTS IS ALLOWED

THERE ARE TWO LEGAL REQUIREMENTS FOR A SMOKING PROCESS OF ORGANIC PRODUCTS TO FULFILL THE EU ORGANIC IMPLEMENTING REGULATION



EU Organic Implementing Regulation (EU) 2018/848, Chapter 3, Article 26



Additives, processing aids and other substances and ingredients used for processing food or feed and any processing practice applied, such as smoking, shall respect the principles of good manufacturing practice.

Commission Implementing Regulation (EU) 1321/2013, Rectical 18



Smoking by regenerated smoke is a process of treating food by exposing it to smoke which is regenerated by atomizing smoke flavourings in a smoking chamber under the time and temperature conditions similar to those for hot or cold smoking.

The CleanSmoke smoking process is fulfilling both legal requirements and even more: It helps to save energy, water and CO₂ emissions, and reduces hazardous substances for people, products and nature.

FROM THE STATEMENT OF THE EU AGRICULTURE COMMISSION – 27/10/2021



Ref. Ares(2021)6627098 - 27/10/2021



EUROPEAN COMMISSION
DIRECTORATE-GENERAL FOR AGRICULTURE AND RURAL DEVELOPMENT
Directorate B. Quality, Research & Innovation, Outreach

The Director

However, if CleanSmoke would be considered as a process and not as a product, EGTOP experts suggest in their report that it may not require a specific authorisation for use in organic production - as smoking is one of the processing practices that are allowed under the organic Regulation insofar as they comply with the principles of Good Manufacturing Practices³. This would mean that no action from the Commission services would be needed under the organic Regulation for CleanSmoke to be used in organic production as a smoking process, provided that this is compliant with the horizontal legislation and that CleanSmoke is indeed used as a process.



JRC

EUROPEAN COMMISSION

DG AGRI CONFIRMING EU JOINT RESEARCH CENTER (JRC SEVILLA) – BEST AVAILABLE TECHNIQUE:

Regenerating smoke from purified primary products is a method of generating smoke (Table 7.2).



Bundesministerium für Ernährung, Landwirtschaft und Verbraucherschutz

DR. LAUTENSCHLÄGER (TU OWL, LEMGO) – ASSESSMENT FOR THE BMEL 2021:

The CleanSmoke smoking process in comparison to conventional smoking processes is producing comparable smoking results for the finished products regarding taste, odour, colour, texture and shelf life.



CleanSmoke

Saving potential with the „Best Available Technique“:

- **90 % Water & Waste Water**
- **80 % CO₂-Emissions**
- **68 % Chemicals** Cleaning detergent *
- **28 % Reduction of Cost** per unit or Process **
- **50 % Energy**
- **71 % Dangerous Substances Benzo(a)pyren & PAH**
- **50 % Raw Smoking material** ***
- **33 % Resource Consumption** excl. Energy



* Compared to combustion smoke

** Incl. emission measurement and waste disposal (conventional smoke)

*** Compared to combustion smoke and friction smoke

All calculations are based on the life cycle assessment by
DIL (Deutsches Institut für Lebensmitteltechnik e.V.)
on behalf of Kerry I Red Arrow.

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