



Nature wins!

## Hemp Extract Matrix

### DESCRIPTION

HempFlax's Hemp Extract Matrix is composed of the remainings of the upper third of the hemp biomass after extraction with supercritical CO<sub>2</sub>. This product is suitable for food supplements and cosmetic applications.

### GENERAL INFORMATION

Botanical name	<i>Cannabis sativa</i> L.
Plant part used for the extract	Upper third of the plant
Composition	Hemp biomass
Country's origin	Germany & Poland
Ingredients' origin	EU
Organic certification	Not organic certified
Solvent Free	As extraction is done by critical CO <sub>2</sub> , no other solvent is used

### NON-GMO STATEMENT

For the above-mentioned product there is no obligation of GMO labelling as defined by the Regulations **(EC) No. 1829/2003** and **1830/2003** of the European Parliament and the Council of 22nd September 2003.





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## Hemp Extract Matrix

### SPECIFICATION

Appearance	Green to brown
Odour	Characteristic, fresh cut grass
Consistency	Solid pellets

### ARRAY

Density	> 1 kg/liter
Solubility	Insoluble plant matter

### HEAVY METALS

Lead	< 3.0 ppm
Cadmium	< 1.0 ppm
Mercury	< 0.1 ppm
Arsenic	< 1.0 ppm

### TOXINS

Aflatoxin B1	< 2.0 ppb
Sum of aflatoxins (B1, B2, G1, G2)	< 4.0 ppb

### POLYAROMATIC HYDROCARBON

Benzo(a)pyrene	< 10.0 ppb
Sum of PAH4	< 50.0 ppb

### ENDOCRINAL PERTURBATORS

Dioxins and PCB's	Conform <b>Regulation (EU) 1881/2006</b>
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### PHYTOSANITARY

Pesticides	Conform <b>Regulation (EU) 1881/2006</b>
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### MICROBIOLOGY

Total aerobic plate count	< 10.000 cfu / g
Total yeast and moulds count	< 1000 cfu / g
Bile-tolerant G- bacteria	< 1000 cfu / g
<i>Escherichia coli</i>	Negative / g
<i>Salmonella spp.</i>	Negative / 25g

### GENERAL ARRAY

Inter-batches variation  $\pm$  20%

Humidity	10%
Crude protein	20%
Crude fat	1%
Crude cell dust	20%
Crude ash	15%
Starch content	5%
Total sugars	< 1%



## Hemp Extract Matrix

### ALLERGENS

Information concerning Annex II of Regulation **(EU) No 1169/2011** of the European Parliament and of the Council of 25th October 2011 and its amendment **(EU) No 78/2014** on substances or products causing allergies or intolerances

	Valid
Contains allergens which have to be labelled according to the above mentioned regulations as ingredients	No
Cereals containing gluten, namely: wheat (such as spelt and khorasan wheat), rye, barley, oats or their hybridised strains, and products thereof	No
(Comment: Contains mannitol derived from wheat and/or maize; contains dextrose derived from wheat.)*	No
Crustaceans and products thereof	No
Eggs and products thereof	No
Fish and products thereof	No
Peanuts and products thereof	No
Soybeans and products thereof	No
Milk and products thereof (including lactose)	No
Nuts (i.e. almond, hazelnut, walnut, cashew, pecan nut, Brazil nut, pistachio nut, macadamia nut and Queensland nut) and products thereof	No
Celery and products thereof	No
Mustard and products thereof	No
Sesame seeds and products thereof	No
Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/litre in terms of total SO <sub>2</sub>	No
Lupin and products thereof	No
Mollusc and products thereof	No

\* exempt from allergen labelling according to Annex II of Regulation (EU) No 1169/2011



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### ORGANIC STATUS EXPLANATION OF RAW MATERIALS

**Extract** Not certified, grown without pesticides or artificial fertilizer but not on organic certified lands

**Please note:**

*HempFlax GmbH is not certified organic at this point in time, therefore the term organic can not be used neither on the packaging nor in commercial advertisement.*

### APPLICATIONS AND USE

As far as our knowledge goes, the HempFlax CBD Extract Matrix fulfils all EU Food Supplement requirements.

### STORAGE AND SHELF-LIFE

20 months from date of production in original unopened packaging. Store cool (+4°C to +20°C) dark and dry. In contact with oxygen, light and higher temperatures, the quality of the product will be overshadowed. Therefore opened packages have to be closed immediately.

### PACKAGING

Bulk option: 1 ton big bag pellets, 1 big bag per euro pallet.

### CONTACT

For more information or questions please contact HempFlax GmbH:

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*The information contained herein has been compiled with our utmost care and attention. Nevertheless, customers are advised to make their own tests in order to determine the suitability of our product in combination with the other ingredients for their own purposes, as well as being aware of local regulatory situations surrounding this product. Since we cannot anticipate all conditions, we accept no liabilities for results obtained by using our products.*

