

## Datasheet - Cannabidiol CO2 Isolate

### Product Specification

<b>Origin</b>	<b>EU</b>
<b>Product Name</b>	(-)-Cannabidiol
<b>IUPAC Name</b>	2-[[1R,6R)-3-Methyl-6-(1-methylethenyl)-2-cyclohexen-1y-yl]-5-pentyl-1,3-benzenediol
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>30</sub> O <sub>2</sub>
<b>Molecular Weight</b>	314,5
<b>CAS Number</b>	13956-29-1
<b>PubChem</b>	CID 644019
<b>ChemSpider</b>	24593618
<b>Appearance</b>	Colourless to light yellow powder or colourless to light yellow crystals
<b>Purity</b>	99,8 %
<b>Residual solvent</b>	< 0,1 % (limit: 0,5 %)
<b>Stability</b>	24 months
<b>Melting Point</b>	66 – 67 °C (150,8 – 152,6 °F)
<b>Boiling Point</b>	188,5 °C (371,3 ° F)
<b>Storage</b>	Between 15 – 25 °C (59 – 77 °F), tightly closed and protected from light
<b>Solubility</b>	Practically insoluble in water or 10 % NaOH. Soluble in ethanol, methanol, ether, benzene, chloroform, per ether.
<b>Legal status:</b>	No narcotic drug (DE), Schedule I (US), Schedule (Can)
<b>Annotation</b>	This product is not released as API for pharmaceutical purposes. This is not a validated process.

# Besthemp

Dipl. Ing. FH Uta Stechl GmbH

## Allergens

Allergen		Is contained in accordance to the product recipe Yes / No	If allergens are present in the product: description and amount	Cross contamination with allergens mentioned in column 1 can occur Yes / No
1.	Cereals containing Gluten (e.g. wheat, rye, barley, oat, spelt, kamut or related hybrid strains) and products thereof	No	-	No
2.	Crustaceans and products thereof	No	-	No
3.	Eggs and products thereof	No	-	No
4.	Fisch and products thereof	No	-	No
5.	Peanuts and products thereof	No	-	No
6.	Soy and products thereof	No	-	No
7.	Milk and dairy products (incl. lactose)	No	-	No
8.	Nuts (e.g. almonds, hazelnuts, walnuts, cashews, pecannuts, paranuts, pistacies, macadamia) and products thereof	No	-	No
9.	Celery and products thereof	No	-	No
10.	Mustard and products thereof	No	-	No
11.	Sesame and products thereof	No	-	No
12.	Sulfur dioxide and sulfites at concentrations of more than 10 mg/kg or 10 mg/l expressed as SO <sub>2</sub>	No	-	No
13.	Lupin and products thereof	No	-	No
14.	Molluscs and products thereof	No	-	No
15.	Maize and products thereof	No	-	No
16.	Cinnamon, Cocoa, Vanila, Pulses, Coriander, Umbellifereae	No	-	No
17.	Meat of birds and animals	No	-	No

## Statement about Usage of GMO

According to EU regulation EG-Nr. 1829 and 1830/2003

NR.	Questionnaire	Yes	No
1.	Does the product contain "novel foods" according to the regulation (EC) No 258/97?		X
2.	Is the product GMBO or does it contain GMO?		X
3.	Is product labeling obligated according to common position (EC) No 22 /2003?		X
4.	Does the product contain any parts of BT-corn or of Ready Soy – Components?		X
5.	Does the product contain any parts of other cultivated genetically modified plants (e. g. conola, tomatoes ect.)?		X
6.	Did a genetically modified organism or a derivate of it get involved in the production process (e. g. enzymes)?		X
7.	Does the product contain an ingredient that contains GMO, consists of GMO or was made Of GMO? Excluded herof are parts of GMO (per single ingredient) < 0,9 % as long as they were technically unavoidable or occurred coincidentally		X
8.	Is genetically modified material detectable (DNA or proteins) in the product?		X
9.	What kind of actions are implemented to ensure a complete traceability of all used raw materials and additives related to the absende of GMO and to avoid cross contamination?	Specification of all suppliers are available	
10.	A GMO-Certificate is available for the mentioned product and will be provided on request		--*
11.	Period of time between conducted GMO-Certificates	---	
12.	Recommendation for labeling	None	

- There is no GMO hemp on the world market at the moment

## GMO Statement

Herewith we guarantee that the delivered goods do not consist of genetically modified organisms (GMO), contain any GMO and are not produced by GMO or contain ingredients that are produced by a GMO, respectively in accordance to the regulation (EC) No 1829/2003 of the European Parliament and Council, dated September the 22<sup>nd</sup> 2003 about genetically modified food and feed as well as in accordance to the regulation (EC) 1831/2003 of the European Parliament and Council, dated September 22<sup>nd</sup> 2003 about traceability of food and feed produced by GMO as well as to the updated version of the guideline 2001/18 EC. This is valid for all used raw materials inclusive all additives and flavors. Excluded are hereof contaminations with genetically modified materials which are technically unavoidable or happened coincidentally up to a limit of 0,9 % (EU certified GMO) and 0,5 % respectively (not EU certified GMO, but approved as safe by the EU) in relation to each single ingredient.

In accordance to the Council regulation (EC) No 1829/2003 no labeling is legally obligated.

Date

Supplier (legally binding signature)