





## Specification

Concerning Product:	
Article number	50146NF
Trade name / designation / denomination	Vitamin D2
CAS number	50-14-6
Other names / synonyms	•3-[2-[1-(5,6-dimethylhept-3-en-2-yl)-7a-methyl-2,3,3a,5,6,7-hexahydro-1H-inden-4-ylidene]ethylidene]-4-methylene-1-cyclohexanol; •ergocalciferol;
EC number	200-014-9
EC index number	603-179-00-9
Customs tariff number / CN code / TARIC	29362900
Molecular weight [g / mol]	396,66
Formula	C <sub>28</sub> H <sub>44</sub> O
<b>Danger</b>   UN 2811, 6.1 (Giftige Stoffe), II	
Toxic if swallowed. Toxic in contact with skin. Fatal if inhaled. Causes damage to organs through prolonged or repeated exposure .	

Parameter	Specification	Unit
<b>Organoleptic test</b>		
Colour	white	
Discription	Microencapsulated Ergocalciferol (Vitamin D2)/ Food grade	
<b>Physical parameter</b>		
Form	fine, free flowing powder	
Loss on drying	≤ 8	%
Bulk density	0,40 – 0,60	g/ml
Solubility	not soluble in water, may be dispersed in water	
<b>Identity</b>		
Assay	Vitamin D2 % ≥ 0,25	
Assay	Vitamin D2 IU/g ≥ 100 000	

<b>Elemental Impurities</b>		
Arsenic (As)	≤ 1	ppm
Cadmium (Cd)	≤ 1	ppm
Mercury (Hg)	≤ 0,1	ppm
Lead (Pb)	≤ 3	ppm
<b>Fatty Acid composition</b>		
Saturated fatty acids	2,0	g
<b>Nutritional data</b>		
Calories	1502	kJ
Calories	359	kcal
Carbohydrates	84,0	g
All Fats	2,0	g
<b>Microbiological data</b>		
Aerobic microorganisms	≤ 1000	CFU/g
Escherichia Coli.	neg. in 1 g	
Salmonella	neg. in 25 g	
Yeast and Mould	≤ 200	CFU/g
<b>Particle size distribution</b>		
Particles	µm: ≤ 1000	
Particles	mesh: ≤ 18	

### **Regulatory information:**

**Allergens statement:** According to 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 the above mentioned product does NOT cause allergies or intolerances and does NOT contain any allergens which have to be labelled according to these regulations.

### **BSE/TSE statement:**

The product does not contain animal ingredients.  
The risk of BSE/TSE contamination can be excluded.

### **GMO statement: Genetic engineering:**

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

**Irradiated Status:** Product has not been treated with ionizing radiation and does not contain any ingredients which have been treated with ionizing radiation.

**Nanoparticles:** The product does not contain any raw materials, ingredients or additives in nanoparticle size as per definition of Regulation (EU) No **1169/2011** respectively Regulation (EU) No **2015/2283**.

## **Supplemental information:**

### **Derivation:**

The product contains palm based components.

Fermentation of vegetables. The product contains NO animal ingredients.

Maltodextrin (maize)

Ethyl cellulose (E 462) (wood pulp)

Medium chain triglycerides (palm)

Tocopherol rich extract (E 306) (sunflower)

Vitamin D2 (Ergocalciferol) (yeast fermentation of sugar cane)

### **Note:**

#### **Traceability**

According to Regulation (EC) No **178/2002** the traceability of the raw materials for the product is guaranteed one step backwards and of produced batches one step forward. All instructions, which are necessary to take these steps, are implemented in the Quality manual and management system according to IFS and BRC.

**Storage conditions:** Protect from light and store cool and dry in well-closed original packaging. Manufacturer has recently completed an updated stability study for the product and determined that optimum storage condition should be changed from temperature of 4-15°C to a temperature of 2-8°C.

Please be aware that the product will be stored at us as well as at our supplier at room temperature.

### **Packing:**

The primary packaging of the above mentioned product is suitable for food.

### **Usage:**

The product is suitable for a vegetarian nutrition.

The product is suitable for a vegan nutrition.

The product is suitable for lactose intolerance diet.

The product is suitable for people with coeliac disease and sprue.

The product is in compliance with Jewish dietary laws.

The product is in compliance with Islamic dietary laws.

Food Additive

Chemische Werke Hommel GmbH & Co.KG

*This document was generated electronically and is valid without signature.*

Waltrop, 17. May. 2023

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