



# Product Specification

## Lemon Balm Leaf Dry Extract; 4:1 (*Melissa officinalis*)



**Product Code:** 83614000

**Product Description:** Lemon balm (*Melissa officinalis*) leaf extract; processed with water as the extraction solvent.

### Product Properties

Color	Dark yellow to yellow-brown
Appearance	Powder; uniform particles
Taste	Characteristic of lemon balm
Odor	Characteristic of lemon balm
Excipient	Maltodextrin (corn)
Extract ratio	4:1
Extraction solvent	Water
Mesh Size	≥ 95% through 80 mesh (177 μm)
Identity	HPTLC profile unique to lemon balm
Plant part used	Leaf

### Analytical Values

### Spec.

Moisture ( <i>loss on drying; Ph. Eur. 01; 2008:20817</i> )	< 5	%
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### Heavy Metals and Contaminants

### Spec.

Lead	≤ 3.0	ppm
Arsenic	≤ 2.0	ppm
Cadmium	≤ 1.0	ppm
Mercury	≤ 0.1	ppm
Aflatoxin B <sub>1</sub>	< 2	ppb
Aflatoxin (B <sub>1</sub> , B <sub>2</sub> , G <sub>1</sub> , G <sub>2</sub> )	< 4	ppb
Pesticides	The processed herb complies with EC Regulation 396/2005 and its amendments	

### Microbiological Values

### Spec.

Total Aerobic Plate Count ( <i>ISO 4833-1:2013-12</i> )	< 10,000	CFU/g
Yeast and Mold ( <i>ISO 21527-2:2009</i> )	< 100	CFU/g
<i>E.coli</i> ( <i>ISO 7251:2006</i> )	Negative	/g
<i>Salmonella</i> ( <i>ISO 6579-1:2017-04</i> )	Negative	/25 g
<i>S. aureus</i> ( <i>ISO 6888-3:204+AC:2005</i> )	Negative	/g

**Country of Origin:** EU (raw material), Poland (manufacturing)

**Packaging:** 2 polyethylene/polyamide bags packed in a cardboard box

**Storage:** Store below 25°C (77°F), in a well-sealed bag away from moisture and light.

**Best Used By:** 24 months after production date under proper storage conditions

Quality Assurance

The information contained herein is, to the best of our knowledge, correct. The data outlined and the statements made are intended only as a source of information. No warranties, expressed or implied, are made. On the basis of this information, it is suggested that you evaluate the product on a laboratory scale prior to use in a finished product.

## Customer Approval

*I acknowledge and agree to the above specifications. Any parameters outside of these would not fall within the scope of the product specifications. Please return this specification sheet signed for approval otherwise we consider it accepted.*

Name (print):

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Signature:

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Title:

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Date:

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