

TECHNICAL DATA SHEET

ORGANIC OREGANO LE 4:1 DE PR8444

Organic labelling regulation ((UE) 2018/848 - art.32): BIO = DE-ÖKO-039

Botanical kind: Lamiaceae Origanum vulgare L.
Part of the plant: Leaf
Ratio plant / final extract: 4 to 1 (a)
Extraction solvent(s): Water
Carrier(s): Organic wheat maltodextrin

DESCRIPTION

	Specifications	Methods and references
Appearance	<i>Powder</i>	
Color	<i>Light brown to dark brown</i>	
Solubility	<i>To be tested following the degree of incorporation</i>	

ANALYSES

	Specifications		Method and reference
	Min	Max	
Carvacrol content [ppm] (4)	<i>Indicative value</i>		<i>AE-22 - GC-MS, internal method for aromatic substances</i>
Loss on drying [%] (11)	-	8.00	<i>MO-183 - Eur. Ph. (01/2008:20817) and (02/2008:20816)</i>
Bulk density	0.30	0.70	<i>MO-181 - Eur. Ph. (04/2019:20934)</i>
pH (1% in demineralized water) (11)	3.5	6.5	<i>MO-03 - pH-meter, Eur. Ph. (07/2016:20203), "Potentiometric determination of pH" monograph</i>
Screening [% < 500 µm]	95.0	-	<i>MO-184 - Granulometer, internal method</i>

CONTAMINANTS

	Specifications		Method and reference
	Min	Max	
Pb content [ppm] (2)	-	< 3.00	<i>AE-01 - ICP, internal method</i>
Cd content [ppm] (2)	-	< 1.00	<i>AE-01 - ICP, internal method</i>
Hg content [ppm] (2)	-	< 0.10	<i>AE-01 - ICP, internal method</i>
Pesticides content [ppm] (2)	<i>< detection limit</i>		<i>AE-02 - GC-MSMS/LC-MSMS, internal method</i>

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Benzo(a)pyrene content [ppb] (2)	-	< 10.0	AE-03 - GC-MS-MS, <i>internal method</i>
Pahs (sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene) content [ppb] (2)	-	< 50.0	AE-03 - GC-MS-MS, <i>internal method</i>
Ethylene oxide (sum of ethylene oxide and 2-chloro-ethanol expressed as ethylene oxide) content [mg/Kg] (2)	-	< 0.10	AE-159 - GC-MSMS, <i>internal method</i>

MICROBIOLOGY	Specifications		Method and reference
	Min	Max	
Total aerobic microbial count [CFU/g]	-	< 1 000	AE-04 - Eur. Ph. (07/2010:20612) and (01/2014:20631)
Total yeasts/moulds count [CFU/g]	-	< 100	AE-04 - Eur. Ph. (07/2010:20612) and (01/2014:20631)
Salmonella content [/25g]	Absent		AE-04 - Eur. Ph. (07/2010:20612) and (01/2014:20631)
Bile-tolerant Gram negative bacteria content [CFU/g]	-	< 100	AE-04 - Eur. Ph. (07/2010:20612) and (01/2014:20631)
Escherichia coli content [/g]	Absent		AE-04 - Eur. Ph. (07/2010:20612) and (01/2014:20631)
Staphylococcus aureus content [/g]	Absent		AE-04 - Eur. Ph. (07/2010:20612) and (01/2014:20631)

(11) First ten batches

(2) On request with additional cost

(4) HACCP based control plan defined annually according to risk analysis

Best before/ 24

DMD (in months) :

Storage conditions: Store in closed original packaging at 5 to 25°C in a dry place and protected from light.

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Complementary data

(a): Variable indicative raw material ratio depending on productions and / or variability of the raw material.
Non contractual data.

*This reference is neither an Active Pharmaceutical Ingredient nor an excipient for pharmaceutical use.
Responsibility of final labelling lies with the company placing the final product on the market.*

- According to Regulation 1999/3/EC, and its modifications, product has not been ionized.
- According to the Regulations 2001/18/EC, 1829/2003 and 1830/2003, and its modifications, the product does not contain deliberately added GMO. (Fortuitous or technically inevitable traces could be detected at less than 0,9.)
- The product does not contain TSE/BSE substances.