

TECHNICAL DATA SHEET

ORGANIC GARLIC BU 5:1 DE PR738

Organic labelling regulation ((UE) 2018/848 - art.32):	BIO = DE-ÖKO-039
Botanical kind:	Amaryllidaceae Allium sativum L.
Part of the plant:	Bulb
Ratio plant / final extract:	5 to 1 (a)
Extraction solvent(s):	Water
Carrier(s):	Organic wheat maltodextrin

DESCRIPTION

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

ANALYSES

	Specifications		Method and reference
	Min	Max	
Identification (raw material) (2)	<i>Complies</i>		<i>MO-165 - TLC, Eur. Ph. (01/2008:1216 corrected 6.0), "Garlic powder" monograph</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)	4.0	7.5	<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	<i>AE-03 - GC-MS-MS, internal method</i>
Pahs (sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene) content [ppb] (2)	-	< 50.0	<i>AE-03 - GC-MS-MS, internal method</i>

MICROBIOLOGY	Specifications		Method and reference
	Min	Max	
Total aerobic microbial count [CFU/g] (1)	-	< 10 000	<i>AE-04 - Eur. Ph. (07/2010:20612) and (01/2014:20631)</i>
Total yeasts/moulds count [CFU/g] (1)	-	< 100	<i>AE-04 - Eur. Ph. (07/2010:20612) and (01/2014:20631)</i>
Salmonella content [/25g]	<i>Absent</i>		<i>AE-04 - Eur. Ph. (07/2010:20612) and (01/2014:20631)</i>
Bile-tolerant Gram negative bacteria content [CFU/g]	-	< 100	<i>AE-04 - Eur. Ph. (07/2010:20612) and (01/2014:20631)</i>
Escherichia coli content [/g]	<i>Absent</i>		<i>AE-04 - Eur. Ph. (07/2010:20612) and (01/2014:20631)</i>

(1) Acceptable maximal count: 5 times the acceptance criterion according to Eur. Ph. VIII° Ed. 5.1.8 Category B

(1) First ten batches

(2) On request with additional cost

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.

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, the above mentioned item has not been ionized.
 - According to the Regulations 2001/18/EC, 1829/2003 and 1830/2003, and its modifications, the above mentioned item 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