

## TECHNICAL DATA SHEET

### ORGANIC CAFFEINE 98.5% DE AR7330

Organic labelling regulation  
((UE) 2018/848 - art.32):

BIO = DE-ÖKO-039

Botanical kind:

Organic Rubiaceae Coffea arabica L.

Part of the plant:

Seed

Extraction solvent(s):

Water

Carrier(s):

None

#### DESCRIPTION

	Specifications	Methods and references
Appearance	<i>Powder</i>	
Color	<i>White to off-white</i>	
Solubility	<i>To be tested following the degree of incorporation</i>	

#### ANALYSES

	Specifications		Method and reference
	Min	Max	
Caffein content [%]	98.50	-	MO-48 - HPLC, Fr. Ph. (1994), "Café vert" adapted monograph
Loss on drying [%] (11)	-	8.00	MO-183 - Eur. Ph. (01/2008:20817) and (02/2008:20816)
Bulk density	0.20	0.70	MO-181 - Eur. Ph. (04/2019:20934)
pH (1% in demineralized water) (11)	3.0	7.0	MO-03 - pH-meter, Eur. Ph. (07/2016:20203), "Potentiometric determination of pH" monograph
Screening [ % < 500 µm]	95.0	-	MO-184 - Granulometer, internal method

#### CONTAMINANTS

	Specifications		Method and reference
	Min	Max	
Pb content [ppm] (2)	-	< 2.00	AE-01 - ICP, internal method
Cd content [ppm] (2)	-	< 1.00	AE-01 - ICP, internal method
Hg content [ppm] (2)	-	< 0.10	AE-01 - ICP, internal method
Pesticides content [ppm] (2)	< detection limit		AE-02 - GC-MSMS/LC-MSMS, internal method
Benzo(a)pyrene content [ppb] (2)	-	< 10.0	AE-03 - GC-MS-MS, internal method

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Pahs (sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene) content [ppb] (2)	-	< 50.0	AE-03 - GC-MS-MS, internal method
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MICROBIOLOGY	Specifications		Method and reference
	Min	Max	
Total aerobic microbial count [CFU/g] (1)	-	< 10 000	MO-191 - Pétrifilm TM / ISO 4833
Total yeasts/moulds count [CFU/g] (1)	-	< 100	MO-192 - Pétrifilm TM / AOAC 997.02
Salmonella content [/25g]	Absent		MO-193 - TECRA TM / ISO 6579
Enterobacteria content [CFU/g]	-	< 100	MO-194 - Pétrifilm TM ISO 21528-2
Escherichia coli content [CFU/g]	-	< 10	MO-195 - Pétrifilm TM / ISO 16649-2

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

(11) 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**

*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*