

TECHNICAL DATA SHEET

CINNAMON BA 0.1% / 0.04% DE PR5140

Botanical kind:	Lauraceae Cinnamomum verum J. Presl
Part of the plant:	Bark
Extraction solvent(s):	Water
Carrier(s):	Maltodextrin

DESCRIPTION	Specifications		Methods and references
	Min	Max	
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	
Standardized in essential oil [%]	0.10	-	MO-262 - <i>Steam distillation, internal method</i>
Cinnamaldehyde content [%]	0.040	-	AE-22 - <i>GC-MS, internal method for aromatic substances</i>
Coumarin content [ppm]	-	2.00	AE-22 - <i>GC-MS, internal method for aromatic substances</i>
Estragole content [ppm] (4)	<i>Indicative value</i>		AE-22 - <i>GC-MS, internal method for aromatic substances</i>
Eucalyptol content [ppm] (4)	<i>Indicative value</i>		AE-22 - <i>GC-MS, internal method for aromatic substances</i>
Methyleugenol content [ppm] (4)	<i>Indicative value</i>		AE-22 - <i>GC-MS, internal method for aromatic substances</i>
Identification (raw material) (4)	<i>Complies</i>		MO-141 - <i>TLC, Eur. Ph. (04/2011:0387), "Cinnamom" monograph</i>
Loss on drying [%] (11)	-	8.00	MO-183 - <i>Eur. Ph. (01/2008:20817) and (02/2008:20816)</i>
Bulk density	0.30	0.70	MO-181 - <i>Eur. Ph. (04/2019:20934)</i>
pH (1% in demineralized water) (11)	4.0	7.5	MO-03 - <i>pH-meter, Eur. Ph. (07/2016:20203), "Potentiometric determination of pH" monograph</i>
Screening [% < 500 µm]	95	-	MO-184 - <i>Granulometer, internal method</i>

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CONTAMINANTS	Specifications		Method and reference
	Min	Max	
Pb content [ppm] (4)	-	< 3.00	AE-01 - ICP, internal method
Cd content [ppm] (4)	-	< 1.00	AE-01 - ICP, internal method
Hg content [ppm] (4)	-	< 0.10	AE-01 - ICP, internal method
As content [ppm] (4)	-	< 1.00	AE-01 - ICP, internal method
Pesticides content [ppm] (4)	< Residual Maximum Limit fixed in European regulation 396/2005 and its modifications		AE-02 - GC-MSMS/LC-MSMS, internal method
Benzo(a)pyrene content [ppb] (4)	-	< 10.0	AE-03 - GC-MS-MS, internal method
Pahs (sum of benzo(a)pyrene, benz(a)anthracene, benzo(b)fluoranthene and chrysene) content [ppb] (4)	-	< 50.0	AE-03 - GC-MS-MS, internal method

MICROBIOLOGY	Specifications		Method and reference
	Min	Max	
Total aerobic microbial count [CFU/g] (1)	-	< 10 000	AE-04 - Eur. Ph. (07/2010:20612) and (01/2014:20631)
Total yeasts/moulds count [CFU/g] (1)	-	< 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)

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

(11) First ten batches

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

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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.*

- Complies with French decrees (2006-352 and 24th June 2014)*
- According to Regulation 1999/3/EC, and its modifications, 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 above mentioned item does not contain TSE/BSE substances*