

**TECHNICAL DATA SHEET****GERMAN CHAMOMILE FL 4:1 DE  
PR605**

<b>Botanical kind:</b>	<i>Compositae (= Asteraceae) Matricaria recutita L. (= Matricaria chamomilla L.) (= Chamomilla recutita (L.) Rauschert)</i>
<b>Part of the plant:</b>	<i>Flower</i>
<b>Ratio plant / final extract:</b>	<i>4 to 1 (a)</i>
<b>Extraction solvent(s):</b>	<i>Water</i>
<b>Carrier(s) :</b>	<i>Wheat maltodextrin</i>

**DESCRIPTION**

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

**ANALYSES**

	<b>Specifications</b>		<b>Method and reference</b>
	<b>Min</b>	<b>Max</b>	
<b>Total apigenin 7-glucoside content [%] (4)</b>	<i>Indicative value</i>		<i>MO-49 - HPLC, Eur. Ph. (01/2016:0404), "Matricaria flower" monograph</i>
<b>Alpha-bisabolol content [ppm] (4)</b>	<i>Indicative value</i>		<i>AE-42 - GC-MS, internal method</i>
<b>Identification (raw material) (4)</b>	<i>Complies</i>		<i>MO-127 - TLC, Eur. Ph. (04/2016:0404), "Matricaria flower" monograph</i>
<b>Loss on drying [%]</b>	-	8.00	<i>MO-183 - Eur. Ph. (01/2008:20817) and (02/2008:20816)</i>
<b>Bulk density</b>	0.30	0.70	<i>MO-181 - Eur. Ph. (04/2019:20934)</i>
<b>pH (1% in demineralized water)</b>	3.0	6.5	<i>MO-03 - pH-meter, Eur. Ph. (07/2016:20203), "Potentiometric determination of pH" monograph</i>
<b>Screening [ % &lt; 500 µm]</b>	95.0	-	<i>MO-184 - Granulometer, internal method</i>

**CONTAMINANTS**

	<b>Specifications</b>		<b>Method and reference</b>
	<b>Min</b>	<b>Max</b>	
<b>Pb content [ppm] (4)</b>	-	< 3.00	<i>AE-01 - ICP, internal method</i>
<b>Cd content [ppm] (4)</b>	-	< 1.00	<i>AE-01 - ICP, internal method</i>
<b>Hg content [ppm] (4)</b>	-	< 0.10	<i>AE-01 - ICP, internal method</i>



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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
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
Benzo(a)pyrene content [ppb] (4)	-	< 10.0	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

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

**Shelf life/ DMD** 24  
(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 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.

- **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 product does not contain TSE/BSE substances