

TECHNICAL DATA SHEET

Product : **SMARTJOINT™**
Product Code : FAENORTS012
Botanical name : *Urtica dioica* L.
Part Used : Leaves
Appearance : Brown coloured powder with odour and taste characteristic
Solubility : Partially soluble in hydroalcoholic solutions
Excipients : Maltodextrin and silicium dioxide
Origin : Spain

Physical-Chemical

Parameters tested	Methodology	Unit	Specifications
Moisture	Ph. Eur. c.v. (2.8.17)	%	Max.: 5
Particle Size	Ph. Eur. c.v. (2.9.12)	%	95% <180 microns
Tapped density	Ph. Eur. c.v. (2.9.34)	g/ml	Min.: 0.40
Bulk density	Ph. Eur. c.v. (2.9.34)	g/ml	Min.: 0.30

Active Principles

Parameters tested	Methodology	Unit	Specifications
Caffeoylmalic acid (on dry basis)	HPLC Internal method	%	Min.: 0.50
Caffeoylmalic Acid expressed sd chlorogenic acid	HPLC Internal method	%	Min.: 1.0
Chlorogenic acid (on dry basis)	HPLC. Método interno	%	Min.: 0.40

Microbiology

Parameters tested	Methodology	Unit	Specifications
Total Aerobic	Ph. Eur.c.v.(2.6.12)	cfu/g	acceptance criterion: 10.000
Yeasts and Moulds	Ph. Eur.c.v.(2.6.12)	cfu/g	Acceptance criterion: 100 Max acceptable count: 500
Bile-tolerant gram-negative bacteria	Ph. Eur.c.v.(2.6.31)	cfu/g	Acceptance criterion: 100
<i>Salmonella spp</i> (1)	Ph. Eur. c.v. (2.6.31)	cfu/g	Absence in 25g
<i>Escherichia coli</i> (1)	Ph. Eur.c.v.(2.6.31)	cfu/g	Absence in 1g

Contaminants

Parameters tested	Methodology	Unit	Specifications
Pesticide (2)	EN 15662:2008	mg/kg	Reg (EC) 396/2005
Solvents (1)			
Residual Solvents	GC-MS	mg/kg	Max.:5000
Aflatoxins (2)			
Aflatoxins B1	Ph. Eur. c.v. (2.8.18)	µg/kg	Max.: 2
Aflatoxins B1+B2+G1+G2	Ph. Eur. c.v. (2.8.18)	µg/kg	Max.: 4
Heavy Metals (2)			
Lead	Ph. Eur. c.v. (2.4.27)	mg/kg	Máx.: 3.0
Cadmium	Ph. Eur. c.v. (2.4.27)	mg/kg	Máx.: 1.0

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Heavy Metals (2)			
Mercury	Ph. Eur. c.v. (2.4.27)	mg/kg	Máx.: 0.1

SAFETY AND LEGISLATION

Allergens	This product does not contain allergens in accordance with Regulation (EU) No 1169/2011 and its amendments.
GMO	This product is Non-GMO and it does not need to be labeled as GMO product in compliance with Regulations (EC) n° 1829/2003 and n° 1830/2003 and their amendments.
Irradiation/ETO	This product and its ingredients are not irradiated / treated with ionising radiation in accordance with Directives 1999/2/EC and 1999/3/EC and their amendments. Also, they are not treated with ethylene oxide in
Contaminants	This product complies with Regulation (EC) No 1881/2006 and its amendments.
Pesticides	This product complies with (EC) 396/2005
Safety	This product does not meet any of the criteria as defined in article 31 of Regulation (EC) No 1907/2006 (REACH) and its amendments – No mandatory material safety data sheet.
Grade	Product for human consumption: European food grade. Compliance with the following monographs Ph. Eur (c.v.) Herbal drug extracts (0765) and USP (c.v.) Botanical extracts (565).
Bse-tse	This product is BSE/TSE-FREE free according to Directive 2001/83/CE and Guideline EMEA/410/01
Kosher	Certified.
Halal	Certified.
Vegetarians and vegans	Suitable.

STORAGE CONDITIONS

Shelf life	Best before two years from manufacturing date
STORAGE	Store in a dry place and keep away from strong light and heat.
Note	Ratio and organoleptic properties are subjected to natural fluctuations of raw material. Color, odor and taste variations may occur from batch to batch, which will not affect the quality of the product.

(1)Parameter analyzed in native extract following a random sampling according to our HACCP system or by customer request

(2) Parameter analyzed following a random sampling in the Raw Materials according to our HACCP system or by customer request.

The information given is in accordance with European legislation and our knowledge of the product. It is the client's responsibility to ensure the conditions of final use of the product and compliance with the legislation applicable to the Market and destination country.

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