


TECHNICAL DATA	
 <p> <b>CONTRADA FURERIA- Z.I. OVEST</b>  <b>95032 PIANO TAVOLA Belpasso (CT) - ITALY</b>  <b>TEL.: +39 0957086560</b>  <b>FAX: +39 095958435</b>  <b>P. IVA: 03325100877</b>  <b>www.bionap.com</b>  <b>e-mail: info@bionap.com</b> </p>	Product:  <h2>FLAVOSLIM</h2>
E-mail: info@bionap.com	Compilation date: 11 <sup>th</sup> November 2014 Last review: 04 <sup>th</sup> January 2021

PRODUCT DESCRIPTION	
Solid extract of Citrus bergamia Risso & Poit. (Bergamot) fruit juice	
Code	35
Botanical name	Citrus aurantium L. var. bergamia
INCI EU	Citrus Aurantium Bergamia fruit extract, Maltodextrin
INCI USA	Citrus Aurantium Bergamia (Bergamot) Fruit extract, Maltodextrin
INCI CHINA	香柠檬 (CITRUS AURANTIUM BERGAMIA) 果提取物 麦芽糊精 (Maltodextrin)
CAS Number	Citrus Aurantium Bergamia fruit extract (89957-91-5) Maltodextrin (9050-36-6)
EC Number	Citrus Aurantium Bergamia fruit extract (289-612-9) Maltodextrin (232-940-4)
Use	Cosmetic ingredient
Recommended usage concentration	1-2% w/w

ACTIVE INGREDIENT COMPOSITION		
Active ingredients and support	Percentage (w/w)	Method
Flavonoids (neohesperidin, naringin, neohesperidin)	8 – 10	HPLC
Support: Maltodextrin		

<b>PHYSICAL-CHEMICAL PROPERTIES</b>	
PARAMETERS	STANDARD VALUES
Form	Powder
Color	Bright yellow
Smell	Typical of bergamot
Moisture	≤ 5%
Ashes	≤ 1.2%
Pesticides	Conform to Reg. EC 396/2005 and subsequent modifications and supplements
PAH	Conform to Reg. EC 1881/2006 and subsequent modifications and supplements
Benzo(a)pyrene	< 10 µg/kg
Sum of Benzo(a)pyrene, Benz(a)anthracene, Benzo(b)fluoranthene and chrysene	< 50 µg/kg
pH (2,5 % aqueous solution)	2.5 – 5.0
Solubility	Moderately soluble in water
Residual solvents (ethanol)	Less than 0.2%
Particle size	More than 90% pass 300 micron
Radioactivity	This product is not irradiated

<b>MICROBIOLOGICAL SPECIFICATIONS</b>	
PARAMETERS	STANDARD VALUES
PCA – TAMC – Total plate count	< 100 cfu 1g/1ml
Yeasts and Moulds – TYMC	< 10 cfu 1g/1ml
Enterobacteriaceae – Bile tolerant gram negative bacteria	Absence 1g/1ml
Escherichia coli	Absence 1g/1ml
Pseudomonas aeruginosa	Absence 1g/1ml
Staphylococcus aureus	Absence 1g/1ml
Candida albicans	Absence 1g/1ml

<b>HEAVY METAL</b>	
PARAMETERS	STANDARD VALUES
Arsenic (As)	< 1ppm
Antimony (Sb)	< 10 ppm
Lead (Pb)	< 3 ppm
Cadmium (Cd)	< 1 ppm
Cobalt (Co)	< 5 ppm
Chromium (Cr)	< 1 ppm
Mercury (Hg)	< 0.1 ppm
Nickel (Ni)	< 10 ppm

<b>TOXICOLOGICAL EVALUATION</b>	
Human Photopatch Testing	No irritating – Dermatologically Tested
Cytotoxicity	No toxic Epithelial human cells (Caco-2)
In vitro analysis of the pro-sensitizing potential	It does not show any detectable pro-sensitising effect
Human Patch Testing on Sensitive Skin	No irritating – Dermatologically Tested
In vitro evaluation of the acute oral systemic toxicity (3T3 NRU ASSAY)	LD50 > 2000 mg/Kg

### **OTHER INFORMATIONS**

<b>BSE – TSE</b>	Free
<b>CMR</b>	Free
<b>GMO</b>	Free
<b>Nano material</b>	Free
<b>Preservatives</b>	Absent
<b>Paraben</b>	Free
<b>Irradiation</b>	NO
<b>Animal test</b>	NO

<b>SHELF LIFE - STORAGE</b>
36 months in the original bag; keep container unopened in cool, dry place

#### **Note**

The chemical and physical values, olfactory note and color can be change in base of changeableness of natural raw material or by technical improvement.