



**Technical Data Sheet**

**Bitterorange WS P.E. 36% Hesperidin, 15% Naringin  
Bitter Orange WS P.E. 36% Hesperidin, 15% Naringin**

**PRODUCT INFORMATION**

Botanical name	Citrus Aurantium L	Art. No.	23997
Part Used	Dried unripe Fruit		
Origin	China		
Extraction solvent	Water		
Citrus Aurantium Extract	Approx 94%		
Carrier	None		

ITEM	SPECIFICATION	METHOD
Hesperidin Assay	≥36.0%	HPLC
Naringin Assay	≥15.0%	HPLC
Appearance*	Light Tan to Brown Yellow Fine Powder	Visual
Odor & Taste	Characteristic	Visual&Taste
Identification	Positive	HPLC
Sieve analysis	100%Through 80 Mesh	USP<786>
Loss on Drying	≤6.0%	CP2015
Total Ash	≤4.0%	CP2015
Solubility	Water	

\*The color may vary

**STATEMENTS**

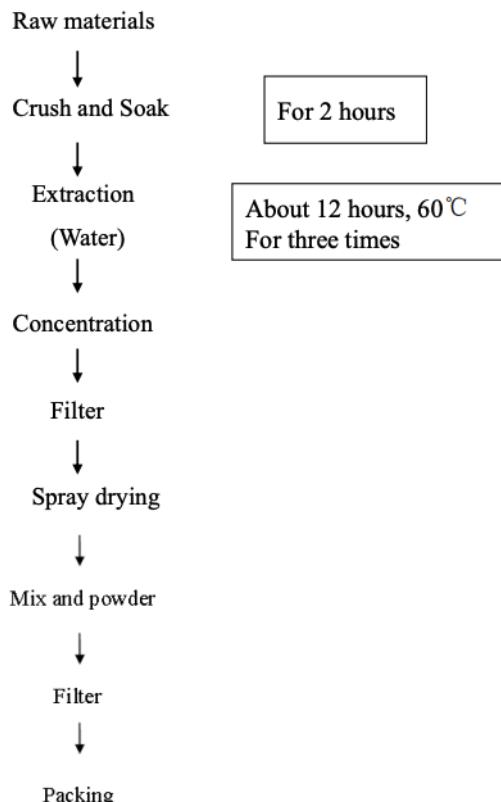
Food Quality and Safety	Only for food supplements
Hygiene of foodstuffs	In compliance with Reg. (EC) 852/2004
Hazard	Not dangerous in accordance with EU regulation (EC) No 1272/2008
Contaminants	According to Reg. (EC) 2023/915 for food supplements
Preservative	Preservative Free
Residual Solvents	According to Dir. (EC) 2009/32 and amendments
Pesticides	According to Reg. (EC) 396/2005 and amendments
Microbiology	Bacterial Count: TAMC-Bacteria: <10,000 cfu/g, TYMC: <300 cfu/g, Salmonella: negative, E. Coli: negative, S. Aureus: negative
GMO	GMO Free According to Reg. (EC) 1829/2003 and 1830/2003 and amendments
ETO	ETO free
Vegan	Conform
Sterilization Method	High Temperature and Pressure
Irradiation	No ionization or other radiation is permitted According to Reg. (EC) 1999/2 and 1999/3 and amendments
BSE/TSE	Risk Free BSE/TSE
Allergen status	No allergens requiring labeling according to Reg. (EC) 1169/2011
<b>Unintentional contact (traces) in the supply chain cannot be excluded.</b>	
Nanomaterials	Absent According to Reg. (EC) 1169/2011
Titanium dioxide	Absent According to Reg. (EC) 2022/63
Cosmetic quality	Complies with all requirements for cosmetics in Germany and the EU
Packaging	According to Reg. (EC) 1935/2004 and 10/2011 and amendments



### Technical Data Sheet

#### Flow Chart

#### Manufacturing Flow Chart of Citrus Bioflavonoids (Hesperidin 36% Min HPLC and Naringin 15% Min HPLC)



#### STORAGE AND HANDLING

Storage Store in a well-closed container away from moisture and direct sunlight

Shelf Life 3 years if sealed and properly stored

Document status template 19.02.2024

Issue date 27.02.2024 27.1.2026

**All above information according to the manufacturer**

#### Disclaimer

This document, or any answers or information provided herein by Chem2Market GmbH, does not constitute a legally binding obligation of Chem2Market GmbH. While the descriptions, designs, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. It does not relieve our customers from the obligation to perform a full inspection of the products upon delivery or any other obligation. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE.