



1560 Sawgrass Corporate Parkway, Sunrise, FL 33323 | Phone: 954-376-6595 | Fax: 866-232-4338

Product Data Sheet

PWE-G Concentrate Propolis Water Extract

Manufacturer Code:	PWE-G-PF002
Product Type:	Pure Water Extract of Propolis Phenolics - CONCENTRATE (Bee Glue)
Monograph	Internal, modified to DAB 10
Origin	Manufactured in the United States of America using pure raw green bee propolis from <u>Brazil</u> . Raw bee propolis is a resinous substance collected by honeybees (<i>apis mellifera</i> L.) for use in the hive from different trees mainly from <i>Baccharis dracunculifolia</i> (botanical origin).
Description	PWE-G is a dark green color opal water solution with a characteristic aromatic smell and light saline taste. PWE-G is filtrated (1 microns), but during storage some natural sedimentation could appear, so it should be shake well before use. For dilution only.
Preservation	PWE-G is preserved by sorbic acid, a natural compound found in bee propolis.
Solubility	Water: yes / Ethanol: yes / Oils: no
Content	PWE-G is to be standardized by recipient labs by dilution in accordance to PhenolicFactory directions based on HPLC tests which calculate the total phenolic acids based on artepillin-c, caffeic acid, ferulic acid, cinnamic acid and others. PWE-G contains traces of different flavonoids.
Identity	HPLC fingerprint-chromatogram in accordance to standard solution.
Assay	Total Organic Aromatic Acids (OAA-HPLC)
Pharmacology	PWE-G and its derivative extracts have the following properties: Anti-bacterial, anti viral, effect on influenza Type A, anti inflammation, anti-oxidation, immuno-modulation, dental pulp complaints - and may be used in food, beverages, food supplements, natural medicines, cosmetics and others in concentrations to be determined by PhenolicFactory.
Toxicology	PWE-G has showed no evidence of delayed contact hypersensitivity - but people with known allergies to bee products should use with caution. LD-50: 9000 mg/Kg.
Storage	Keep container well closed, protected from light, heat and freezing temperatures
Expiration	24 months stored by temperature not exceeding 20° C (68° F)



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Packing Available in 1 liter ,5 and 15 gallon NSF approved plastic containers for industrial use.

Tests	Results	Reference	Notes
Dry substances:	Not less than 5,5 %		
Density:	0,988 – 1,092 g / ml		
pH:	5 - 7		

Microbiological Panel

Total counts:	CFU/g $\leq 1 \times 10^4$		(random tests)
Coliforms (37°C)	CFU/g $\leq 1 \times 10^2$		(random tests)
Coliforms (44°C)	CFU/g $\leq 1 \times 10^2$		(random tests)
Yeast/moulds:	CFU/g $\leq 1 \times 10^3$		(random tests)
Salmonella	negative		(random tests)

Heavy Metals:

Arsenic (As)	less than 2 $\mu\text{g/g}$		(random tests)
Lead (Pb)	less than 5 $\mu\text{g/g}$		(random tests)
Cadmium (Cd)	less than 2 $\mu\text{g/g}$		(random tests)
Aluminum (Al)	less than 5 $\mu\text{g/g}$		(random tests)
Mercury (Hg)	less than 2 $\mu\text{g/g}$		(random tests)

Revised 04.25.2012