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TECHNICAL DATA OF PROPOLIS EXTRACT POWDER PEP-95

1. **General Information** of the Propolis Extracts qualities: PEP-100; RP-80 and RP-60 comes from the extraction of soluble resins from a hydroalcoholic solution (Ethanol-Water) of propolis raw material previously typified according to pre-established regulations. At the same time, quality controls and chemical-physical analysis are carried out to determine:

- Content of flavonoids expressed in Galangine.
- Contaminants:
 - a) Heavy metals and arsenic.
 - b) Organochlorines.
 - c) Organophosphates.
 - d) Antibiotics.
 - e) Phthalate content.
 - f) Naphthalene content and p.DCB.

Each market has its qualitative and quantitative requirements regarding the admitted levels of the afore mentioned contaminants. This is necessary to formulate and to process the Propolis Extract according to the requirements of the buyer country.

2. **Product Name:** PROPOLIS EXTRACT POWDER PEP-95.

3. **Components:** Premium Ethanol (96°GL); Distilled water; Aerosil-200 Pharma; Natural propolis.

4. **Commercial Presentation:** In bulk, filled inside a polystyrene box and protected by an outside cardboard box. In this presentation we can pack up to 15 kg net and the load splitted in 2 bags of 120 micron polyethylene each.

5. **Conservation:** Store in a cool, dry place and protected from light below 7 degree Celsius.

6. **Industrial Process:** Natural propolis is classified by its appearance and origin, and the solids, flavonoids and level of contaminants are analyzed. Once typified by its content, it goes to the production sector following the guidelines of similar ISO standards for the production of Extract of Propolis. Natural propolis is extracted by an alcohol-water mixture in an 80/20 ratio, controlling its density. After, it goes to the reactors for concentration until achieving a 100% Extract. Once the pure extract is obtained, it is entered into a hammer mill with the addition of silicon dioxide (Aerosil-200 pharmaceutical grade) to turn it into powder and it is sieved. Finally, it is packaged in polyethylene bags. It is labeled with the corresponding number of lot, net weight and identification of the product.

7. **Estimated useful life:** 5 years from the date of production.

8. **Additional information:** Natural propolis is a resin like substance with protective and medicinal properties produced by plants and collected by bees over millions of years for multiple uses in the hive. It was used in ancient Egypt. Propolis is highly valued for its anti-inflammatory, antitoxic, stimulant anesthetic, antioxidant, bacteriostatic, antiseptic and healing properties. Regenerates the tissues, it is one of the best healing medicine that exist. It is a fine beige powder almost similar to flour and highly spreadable depending on the quality of the formulation that has been made. It is used as a raw material for food and dietary supplements, encapsulated, tablets, candies, among others



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9. Contraindications: This product is sold as a raw material and in bulk presentations, therefore it should not be ingested in this state. It may be processed for final consumption as food, dietary and other supplements. People allergic to propolis may abstain to its consumption. It is not recommended in pregnant, lactating women or children under 2 years old.

