TECHNICAL DATA SHEET

Propolis Powder (Total Flavonoids 5%)

Bee Propolis Extract | Food Grade

This Technical Data Sheet is issued by KEEP INGREDIENTS CO. LTD for the evaluation of the product described herein. The supplier and the customer undertake to maintain the CONFIDENTIAL information contained or enclosed in this document.

1. TECHNICAL DATA SHEET

Product Description

Propolis Powder (Total Flavonoids 5%) is produced from bee propolis by 95% ethanol extraction, followed by purification, lead removal, concentration and spray/granule forming into a free-flowing powder. The product shows the inherent natural color of propolis as a fine, even powder with no agglomeration, no peculiar smell and no visible impurities. It is standardized on a total flavonoid content of 5.0% and is suitable for use in nutritional supplements, health foods and cosmetics.

Product Information

Item	Information
Product name	Propolis Powder (Total Flavonoids 5%)
Source	Bee propolis (Apis mellifera)
CAS No.	9009-62-5
Production process	Ethanol extraction → purification → lead removal → filtration → concentration → cooling → milling → mixing → sieving → packaging
Grade	Food grade
Appearance	Inherent natural color of propolis; fine even powder, no agglomeration, no peculiar smell, no visible impurities
Particle size	80 mesh (customizable, 80-100 mesh)
Core index	Total flavonoids ≥ 5.0%
Composition	Propolis extract, dextrin, silicon dioxide
Solubility	Insoluble in water; soluble in ethanol, acetone and chloroform
Main applications	Dietary supplements, health food raw materials, cosmetic raw materials
Shelf life	24 months (standard storage conditions)
Storage	Sealed, cool and dry place, away from sunlight and high temperature



2. PRODUCT SPECIFICATION

2.1 Physicochemical Specifications

Test item	Specification	Test method
Total flavonoids	≥ 5.0%	—
Moisture	≤ 5.0%	—
Total ash	≤ 8.0%	—
Particle size	80 mesh	—

2.2 Microbiological Specifications

Test item	Specification
Total aerobic bacteria	≤ 10,000 CFU/g
Yeast & mould	≤ 100 CFU/g
Escherichia coli	Negative
Salmonella	Negative

2.3 Main Components

Propolis contains more than three hundred substances, including flavonoids, terpenes, enzymes, various vitamins, polyphenols, polysaccharides, resins, organic acids and various minerals. This product is standardized on a total flavonoid content of 5.0%.

3. PROCESS CHART

The product is manufactured by 95% ethanol extraction of bee propolis, followed by purification, lead removal, concentration and powder forming. Quality checks are carried out on the raw material, on the finished product and before dispatch; unqualified material is rejected.

Raw Material Procurement
▼
Raw Material Inspection (unqualified material rejected)
▼
Raw Material Warehousing
▼
Production Material Issue
▼
Crushing of Raw Material (10-40 mesh)
▼
95% Ethanol Extraction
▼
Filtration (400 mesh)
▼
Precipitation (24 h)
▼
Filtration (0.4 μm)
▼
Concentration
▼
Cooling
▼
Milling
▼
Mixing with Auxiliary Materials (per customer specification)
▼
Sieving (80-100 mesh)
▼
Packaging
▼
Finished Product Inspection (unqualified material rejected)
▼
Finished Product Warehousing
▼
Pre-shipment Check
▼
Dispatch



4. CERTIFICATE OF ANALYSIS

Analytical results are compiled from the supplied inspection report.

Item	Data
Product name	Propolis Powder (EU standard)
Specification	Total flavonoids 5%
Batch No.	KYPRP2026081601
Packaging	5 kg/bag; 25 kg/drum (inner aluminum foil bag, outer carton)
Inspection basis	GB/T 24283-2009, SC/T 3502, GB 6783, GB/T 5009.12-2003
Shelf life	24 months

4.1 Analytical Results

Item	Result	Specification	Evaluation
Ethanol extract (%)	30.02	—	Conforms
Total flavonoids (g/100 g)	5.1	≥ 5.0	Conforms
Lead (Pb, mg/kg)	0.53	≤ 1.0	Conforms
Particle size	80 mesh	80 mesh	Conforms
Total plate count (CFU/g)	< 1,000	≤ 10,000	Conforms
Coliforms (MPN)	< 30	—	Conforms
Mould (CFU/g)	< 30	≤ 100	Conforms
Yeast (CFU/g)	< 30	≤ 100	Conforms
Pathogenic bacteria	Not detected	Not detected	Conforms

Conclusion: The product conforms to the applicable standard and is qualified.



5. PRODUCT STATEMENTS

5.1 Non-Irradiation / Non-Ionized Statement

NON-IRRADIATION / NON-IONIZED STATEMENT

We hereby certify that the product has not been sterilized by ionizing radiation at any point during the entire manufacturing process and therefore is in full compliance with the relevant legislated regulations, Directives 1999/2/EC & 1999/3/EC, concerning foods and food ingredients treated with ionizing radiation.

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5.2 BSE/TSE Statement

BSE/TSE STATEMENT

Propolis Powder is a natural bee product derived from the honeybee (Apis mellifera). It contains no material of ruminant origin and no material derived from, or exposed to, ruminants affected by or under quarantine for transmissible spongiform encephalopathy (TSE) / bovine spongiform encephalopathy (BSE). No material derived from specified risk materials (SRM) is used, and the product poses no BSE/TSE risk.

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5.3 Heavy Metals Statement

HEAVY METALS STATEMENT

According to the supplied inspection report, the lead (Pb) content of this product is 0.53 mg/kg, meeting the limit of ≤ 1.0 mg/kg.

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5.4 Non-GMO Statement

NON-GMO STATEMENT

This product is produced without the use of raw materials or auxiliary materials derived from genetically modified (GMO) sources, and control procedures are in place to avoid cross-contamination with GMO ingredients.

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5.5 Allergen Statement

ALLERGEN STATEMENT

This product is manufactured and packaged without the following major allergens: cereals containing gluten (e.g. wheat, rye, barley, oats, spelt and their hybridised strains); crustaceans and their products; fish and fish products; eggs and egg products; peanuts and peanut products; soybeans and soybean products; milk and dairy products (including lactose); tree nuts and their products.

Note: the product is a bee product. It is not intended for persons with known allergy or sensitivity to bee products (e.g. honey, royal jelly or propolis).

5.6 Country of Origin

COUNTRY OF ORIGIN

The product is produced and packaged in China. Country of origin: China.

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5.7 Expected Usage

EXPECTED USAGE

The expected usage of this product is its incorporation as a natural functional ingredient in dietary supplements, health food raw materials and cosmetic raw materials.

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6. HANDLING, STORAGE & TRANSPORT

Item	Information
Storage	Store in sealed, cool and dry conditions, away from sunlight and high temperature.
Handling	Keep the package sealed after opening; avoid moisture and high temperature.
Transport	Keep dry and away from direct sunlight; avoid high temperature and humidity.
Shelf life	24 months under standard storage conditions.

Safety notes: This product is a food raw material and not a medicine. Prohibited for people with bee product allergies. Propolis powder with a gum content above 70% may soften and agglomerate when stored above 35 °C; storage below 20 °C is recommended to prevent this. This product is a bee product; keep out of reach of children.

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Authorized signature & company stamp

This Technical Data Sheet is issued by KEEP INGREDIENTS CO. LTD and is valid together with the supplied Certificate of Analysis. The information given is based on our knowledge of the product at the time of publication and is given in good faith; it does not exempt the user from applying the regulations governing the use, storage and labelling of the product in their own country. A Material Safety Data Sheet (MSDS) is available upon request.

