

03 / PRODUCT PORTFOLIO

Our bee-product and bee-ingredient portfolio

We offer a versatile range of bee-derived ingredients and finished bee-product forms that can support supplement, beverage and personal-care concepts.



Natural Honey

Liquid base

Traceable monoflora and multiflora options with flavour, colour, origin diversity and premium sensory value.



Honey Ferment Liquid

Standardized and customizable

Liquid fermentation ingredient that adds a more advanced natural-biotech story and differentiated functionality.



Fresh Royal Jelly

Chilled and unreduced

Premium natural matrix for vitality and nutrition, commonly standardised by 10-HDA.



Lyophilized Royal Jelly

Freeze-dried powder

Concentrated and convenient royal-jelly format suitable for dry systems and controlled dosing.



Propolis Extract

Alcohol or water extract powder

Polyphenol-rich propolis ingredient valued for protective positioning and premium bee-origin identity.



Bee Pollen

Whole, powder or processed granules

Nutrient-rich bee ingredient supporting vitality, natural nutrition and format flexibility.



Portfolio clarity helps simplify ingredient selection, specification alignment and commercial discussion.

BEAUTY RELEVANCE

Why bee ingredients resonate in beauty products

Bee-derived ingredients align naturally with beauty-from-within concepts because they combine premium origin, sensory appeal and differentiated benefit storytelling.



Premium natural origin

A recognisable bee-product story can elevate perceived product value.



Glow & radiance narrative

Royal jelly and honey support a daily beauty and visible-vitality concept.



Healthy-aging identity

Royal jelly adds a more distinctive healthy-aging dimension through its premium composition.



Antioxidant positioning

Propolis, honey and pollen contribute a protective and antioxidant-oriented story.



Sensory enrichment

Honey can support sweetness, mouthfeel, flavour lift and a more rounded taste profile.



Differentiated innovation

Honey ferment liquid introduces a more advanced natural-biotech character than conventional honey alone.



Together, these ingredients can help support beauty concepts around glow, nourishment, premiumity and ingredient differentiation.

HERO INGREDIENT

Royal Jelly — a distinctive healthy-aging ingredient

Royal jelly stands apart because it combines a characteristic fatty-acid marker, specialised proteins and peptides, and a highly recognisable premium bee-product identity.

WHAT MAKES IT UNIQUE

**10-HDA**

A characteristic royal-jelly fatty acid and a widely used quality marker.

**MRJPs & peptides**

Major royal jelly proteins and smaller peptides contribute to its distinct biological profile.

**Complex natural matrix**

Contains proteins, lipids, sugars, amino acids, minerals and phenolic compounds.

**Premium origin story**

Royal jelly is known as the queen-bee food, giving it a strong premium identity.

BEAUTY RELEVANCE

**Healthy-aging positioning**

Often associated with vitality, skin nourishment and premium inner-beauty concepts.

**Collagen-related interest**

Research interest around royal jelly often includes skin and collagen-related pathways.

**Skin barrier support**

Its composition gives it relevance for hydration and skin-comfort storytelling.

**Antioxidant biology**

Royal jelly and 10-HDA are frequently discussed in antioxidant and protective contexts.

**COMMERCIAL NOTE**

Final claims should reflect the ingredient specification, use level, finished formula and applicable local regulations.



INGREDIENT CONTRIBUTION

How our bee ingredients can support beauty drink narratives

Each ingredient contributes in a different way, allowing beauty products to express premiumity, sensory value and functional identity from multiple angles.



Natural Honey

- Natural sweetness
- Mouthfeel and flavour lift
- Premium provenance story



Honey Ferment Liquid

- Advanced natural-biotech narrative
- Differentiated fermentation identity
- Liquid format compatibility



Royal Jelly

- Healthy-aging image
- Premium nourishment story
- Distinctive marker: 10-HDA



Propolis Extract

- Polyphenol-rich positioning
- Protective and antioxidant-oriented story
- Premium bee-origin identity



Bee Pollen

- Whole-food nutrition image
- Vitality and natural nourishment
- Versatile presentation options



Shared beauty-product value

Glow, nourishment, antioxidant appeal, premium sensory character and product differentiation can all be supported through the right bee-ingredient selection.



COMMERCIAL RELEVANCE

Commercially relevant benefits for beauty and supplement concepts

Bee-derived ingredients can bring together premium natural storytelling, sensory value and differentiated functional positioning across multiple product concepts.



Premium origin story

Recognisable natural bee-product identity



Sensory contribution

Sweetness, mouthfeel and flavour character



Natural nutrition

Royal jelly and pollen support a nourishing image



Protective positioning

Propolis and honey contribute antioxidant-oriented value



Format flexibility

Available in liquid, fresh, freeze-dried and extracted forms

Available ingredient forms



Natural Honey



Honey Ferment Liquid



Fresh Royal Jelly



Lyophilized Royal Jelly



Propolis Extract



Bee Pollen



Commercial perspective

When well specified and properly integrated, bee ingredients can become a meaningful part of premium beauty and supplement product stories.





SCIENTIFIC BASIS

Scientific basis and responsible claim development

The literature supports a promising innovation direction, but claims must remain proportional to the evidence available for the actual ingredient, dose and finished product.



EVIDENCE LADDER

**1. Composition**

Identity and marker data.

**2. Laboratory**

Cellular or biochemical activity.

**3. Animal**

Mechanistic and preclinical support.

**4. Human**

Clinical evidence in a defined population.

**5. Finished product**

Dose, stability and claim validation.



FOR OTHERS



Robust sourcing and identity verification ensure ingredient authenticity and consistency.



Manufacturing under controlled conditions to ensure purity, safety and reliability.



Allergen and safety considerations are assessed in accordance with applicable regulations.



Global quality systems and traceability support responsible ingredient supply.



Open to collaboration and information sharing to support your innovation goals.



SELECTED SCIENTIFIC REFERENCES

1. Orsolic N. et al. Royal Jelly: Biological Action and Health Benefits. *Antioxidants*. 2024. PMID: PMC1172503.
2. Park HM. et al. Royal jelly and UVB-induced photoaging in human dermal fibroblasts. *J Med Food*. 2011. PMID: 21812645.
3. Nakashima C. et al. Oral royal jelly and skin barrier function: randomized placebo-controlled trial. *Eur J Dermatol*. 2018. PMID: 30396869.
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5. Ikegami S. et al. Protease-treated royal jelly extract and facial wrinkles: placebo-controlled clinical study. 2025. PMID: PMC12551441.
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7. Qiao J. et al. New insights into bee pollen: nutrients, phytochemicals and functional potential. 2024. PMID: 38309905.
8. Borges NA. et al. Propolis as a potential modulator of inflammatory signaling. *Eur Cytokine Netw*. 2026. PMID: 42086341.



Bee ingredients offer a credible premium beauty and supplement platform when the ingredient is standardised, the formulation is technically sound and the claims are evidence-led.