

BIO APIS

CHEMICAL NAME: Honey, Propolis, Pollen and Royal Jelly Extracts

INCI name ⁽¹⁾	CAS number ⁽¹⁾	EINECS number ⁽¹⁾
Mel Extract	91052-92-5 / 8026-66-8	293-255-4 / ---
Propolis Extract	85665-41-4	288-130-6
Pollen Extract	---	---
Royal Jelly Extract	91081-56-0	293-662-7

(1) Reference: (<http://ec.europa.eu/consumers/cosmetics/cosing/index.cfm?fuseaction=search.simple>), CosIng, Europe.

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Pollen Extract	International Cosmetic Ingredient Dictionary and Handbook, 15th edition, page 2665.	---
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(2) Reference: *International Cosmetic Ingredient Dictionary and Handbook*, 15th edition, 2014, USA.

MAIN CONSTITUENTS

Honey is basically composed of glucose, levulose, saccharose, proteins, formic acid, essential oil, enzymes, acetylcholine, vitamins (C and B complex), mineral salts (iron, calcium, copper, magnesium, sodium, potassium, manganese). It also contains pollen.

Propolis resin contains pollen, resins, waxes, benzyl alcohol, benzoic ester of cyclohexanol, flavonoids, amino acids, vitamins, minerals and other substances.

Royal jelly contains proteins, saccharides (glucose and fructose), lipids, organic acids, acetylcholine, choline and vitamins.

SPECIFICATION

Appearance (25°)	: Limpid to opalescent liquid
Color	: Amber
Odor	: Characteristic
pH 100% (25°C)	: 4.0 – 6.0
Odor	: Characteristic
Density (25°C)	: 1.08 – 1.14 g/ml
Refractive Index (25°C)	: 1.38 – 1.44
Dry Residue (105°C, 4h)	: 20.0 – 60.0%
Bacteria	: Max 100 col/g
Molds	: Max 100 col/g

OTHER AVAILABLE DATA

Solubility	: Soluble in propylene glycol and ethanol
Identification	: Spectroscopy UV – according to standard
Preservation	: Parabens at 0.3%

PROPERTIES AND APPLICATION

Hydrating, emollient, smoothing, conditioning, restorative. Suggested for use in hydrating and antiaging creams; in troubled skin and anti-acne formulations. Also recommended in sun products; in shampoos and conditioners for daily use; in antiseptic formulations.

SUGGESTED DOSAGE

Shampoos and conditioners: from 0.5 to 3.0%.
Creams and lotions: from 1.0 to 5.0%.

STORAGE

Store dry and tightly closed. Protect from light.

SHELF LIFE

Twenty four (24) months from manufacturing date.

NOTE: DURING STORAGE IT MAY GET TURBID AND/OR PRECIPITATE, BUT THIS WILL NOT INVALIDATE THE EXTRACT.

REFERENCES

1. *CosIng*, Europe (<http://ec.europa.eu/consumers/cosmetics/cosing/index.cfm?fuseaction=search.simple>)
2. *International Cosmetic Ingredient Dictionary and Handbook*, 15th edition, 2014, USA.