

86733-KOJIC ACID**1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION****1.1 Identification of the substance or preparation**

Name: Kojic acid

Bulk code: 86733

Internal code: 405486

1.2 Synonyms

No information available.

2. DESCRIPTION

Appearance: Powder/needle-shaped crystals

Colour: White or almost white

Origin: The product comes from the fermentation of glucose

Geographical origin: China

3. COMPOSITION/INFORMATION ON COMPONENTSFormula: $C_6H_6O_4$

CAS: 501-30-4

EINECS: 207-922-4

Molecular weight: 142,11 g/mol

Composition:Kojic acid (CAS No 501-30-4) $\geq 99\%$ Water (CAS No 7732-18-5) $\leq 0.5\%$ Impurities $\leq 0.05\%$ **Method of production:** Enzymatic fermentation of glucose followed by successive crystallisation processes, re-dissolution in water, filtration and drying.**4. PHYSICO-CHEMICAL DATA**

For more information, see the analysis report.

Solubility: Soluble in cold water, hot water, ethanol, methanol, acetone and slightly soluble in ether.**5. PROPERTIES/USES**

Cosmetic use.

86733-KOJIC ACID

Used as an agent to whiten the skin and in cosmetic agents, bathing creams, among others. It is recommended to check the pH of the preparations and adjust it to neutral where appropriate.

6. DOSAGE

Cosmetics: The reference amounts for use in cosmetics range from 0.5–2.0%.

7. REMARKS**STORAGE:**

Store in a cool, dry place, away from sunlight and moisture, in a hermetically sealed container. Should be stored in a dry, ventilated place, away from oxidising agents and alkalis.

The documentation available related to the product's regulatory compliance is included below.

BSE/TSE:

The manufacturing process does not include the use of materials of animal or human origin.

GMOs:

Due to the manufacturing method, the product does not contain GMO DNA.

CMR:

Article 15 of Regulation (EC) 1223/2009¹ on cosmetic products prohibits the use of sub-substances classified and listed in Annex VI as CMR (carcinogenic, mutagenic, reprotoxic) classes 1a, 1b and 2 according to Regulation (EC) 1272/2008.

In some cases, the use of CMR-classified substances may be permitted if certain conditions are met, including evaluation and approval by the European Scientific Committee for Consumer Safety (SCCS).

The product does not contain intentionally added substances classified and listed in Annex VI as Class 1a, 1b or 2 CMR substances under Regulation (EC) 1272/2008.

SVHC:

The product does not contain SVHCs.

NANOMATERIALS:

No nanomaterials are used in the manufacturing process.

The product does not contain microplastics.

VOCs:

The product does not contain VOCs.

86733-KOJIC ACID**IONISING RADIATION:**

The product has not been treated with ionising radiation.

PESTICIDES:

The product does not contain pesticides.

COLOURANTS/PRESERVATIVES:

The product does not contain colourants or preservatives.

RESIDUAL SOLVENTS:

The product does not contain residual solvents.

IMPURITIES:

The product is compliant with ICHQ3C.

The product does not contain:

- Formalin
- PCBs
- Melamine
- Dioxins
- Aflatoxins
- Ethylene oxide
- Latex
- Silicone
- Melamine
- Polymers

HEAVY METALS:

The product may contain heavy metals at total amounts of less than 10 ppm. This limit is based on the ingredient limit of the product, which involves the following metals: Pb, Cd, Hg, Co, Cr and Ni.

CALIFORNIA PROPOSITION 65:

The product does not contain any of the substances listed in California Proposition 65.

ALLERGENS:

- **Food allergens:** The product does not contain, nor does it come into contact with, peanuts or derivatives, tree nuts or derivatives, sesame seeds or derivatives, dairy products or derivatives, eggs, fish, seafood, soy or derivatives, wheat, sulphites. The product does not contain gluten, lactose, fructose.
- **Cosmetic allergens/prohibited substances:** None of the substances listed in Annex III to Regulation (EC) 1223/2009 are added in the manufacturing process. In addition, no fragrance is used for the product.



GUINAMA. Laboratory distributor of raw materials for the pharmaceutical and cosmetics industries.

Type of document:

TECHNICAL DATA SHEET

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Version:

4.0

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VEGAN/VEGETARIAN:

The product does not use any animal or animal-derived material; processing aids and/or enzymes from dairy/animal sources during its manufacturing process and does not contain any material of animal origin.

TESTED ON ANIMALS:

The product has not been tested on animals in accordance with Regulation (EC) 1223/2009.

ISO 16128:

Based on the ISO 16128 calculation, the above product is composed as follows:

NATURAL INDEX: 25.0%

NATURAL ORIGIN INDEX: 99.9%

ORGANIC INDEX: 0%

ORGANIC ORIGIN INDEX: 0%

These values may vary with other standards and calculation systems for organic and natural products.

PALM OIL:

The product does not contain palm oil.

COSMETIC INVENTORIES:

The product is regulated in:

IECSC—Inventory of Existing Chemical Substances in China

EINECS—Inventory of Chemicals and Chemical Substances

ENCS—Japanese Existing and New Chemical Substances Inventory

PICCS—Philippine Inventory of Chemicals and Chemical Substances

ECL—Korean Existing Chemicals List

TCSI—Taiwan Chemical Substance Inventory

IECIC—Inventory of Existing Cosmetic Ingredients in China

European Commission database for information on cosmetic substances and ingredients (CosIng)

International Cosmetic Ingredient Dictionary and Handbook (CTFA)

REACH:

Not applicable.