

TECHNICAL DATA SHEET

Effective date: 04.2019
Rev.1

Kojic Acid

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Kojic acid
Chemical formula	C ₆ H ₆ O ₄
Chemical name	5-Hydroxy-2-(hydroxymethyl)-4H-pyran-4-one
Molar mass	142.11 g/mol
Manufacturing process	Using biotechnology, produced by several species of fungi, especially <i>Aspergillus oryzae</i> , which has the Japanese common name koji. Kojic acid is a by-product in the fermentation process of malting rice, for use in the manufacturing of sake, the Japanese rice wine.
Description	Inhibits the formation of melanin pigment. Prevents the tyrosinase activity by synthesizing with copper ion in the cells. Used in skin care, sun care, skin whitening/lightening, treatment for age spots
Raw material category	Active ingredient, safe skin lightening and brightening ingredient

TECHNICAL DATA

Physical and chemical parameters

Appearance	Solid, crystalline powder (hygroscopic)
Color	White to almost white
Odor	Almost odorless
Melting point	152-156°C
Loss on drying	≤ 0.5 %
Ignition residue	≤ 0.1 %
Assay	> 99 %
Reference addition	0.5~2 %
Solubility	Soluble in water, insoluble in oil, easily dissolvable in water and alcohols

Biological parameters

Bacteria	≤ 300 cfu
Fungi	≤ 100 cfu

TECHNICAL DATA SHEET

Effective date: 04.2019
Rev.1

Kojic Acid

Impurities

Heavy metals	≤ 0.001 %
--------------	-----------

TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in tightly closed containers, away from light and moisture
Shelf Life	24 months, in closed packaging under the recommended conditions
Custom tariff	-

LEGISLATION

Certification	-
EINECS	207-922-4
CAS	501-30-4

DISCLAIMER

All warranty claims in respect to the conformity of our product are subject to our General Terms and Conditions of Sale and Delivery. The data listed above reflects the results of the manufacturer or our supplier quality tests. We do not hereby make any express or implied warranty, whether for specific properties or for fitness for any particular application or purpose. All values are valid for the product when dispatched from the works. We recommend you perform your own quality and or identification checks on receipt.