

Technical Date Sheet

Brilliant-MB218 (Kojic Acid)

PRODUCT NAME: Brilliant-MB218

CAS No. : 501-30-4

EINECS No.: 207-922-4

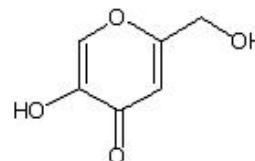
INCI NAME: Kojic Acid

MOLECULAR FORMULA: $C_6H_6O_4$

MOLECULAR WEIGHT: 142.11

CHEMICAL NAME: 5-Hydroxy-2-(hydroxymethyl)-4H-pyran-4-one

STRUCTURAL FORMULA:



Main Specifications

Item	Index
Appearance	White or almost white crystal powder
Melting point	152-156°C
Heavy metals	≤0.001%
Assay	≥98.0%

Kojic acid is a kind of specialized inhibitor for melanin. It can prevent the tyrosinase activity through synthesizing with copper ion in the cells after it enters skin cells. So it is used for skin lightening and anti-melasma. Effective for inhibiting melanin production, tyrosinase inhibitor. At present it is assigned into various kinds of cosmetics for curing freckles, spots on the skin of older people, pigmentation and acne. It also eliminates free radicals and strengthens cell activity.

Application:

Skin care, soap, skin whitening/lightening, treatment for pigmentary disorders such as age spots etc.

It easily dissolve in water and alcohols.

The reference addition is 0.5~2%.

Package:

Packing in carton, inner sealed with 1kg*20 aluminium foil bag.

Packing in paper drum, inner sealed with 1kg*20 aluminium foil bag or 20kg plastic bag.

Storage:

Store at room temperature in a cool and dry place. The validity is two years.

Reference formula
Whitening Removing-Macule Night Cream (Reference)

	Ingredients(INCI Name,Trade Name)	Wt%
Phase A	Cetearyl Glucoside /Cetearyl Glucoside	2.00
	Glyceryl Stearate /PEG-100 Stearate	2.00
	Stearyl Alcohol	2.00
	Dimethicone 200	2.00
	Isopropyl Palmitate	5.00
	Capric/caprylic triglyceride	8.00
	Jojoba Oil	2.00
	Tocopheryl Acetate	0.50
	Capryloyl Salicylic Acid(Brilliant-CSA)	0.30
	Laurocapram(Brilliant-AZ136)	1.00
	Bisabolol	0.30
	Methylparaben	0.15
	Propylparaben	0.10
Phase B	Glycerin	3.00
	Hydroxyethyl Urea (Brilliant-BSJ15)	4.00
	Allantoin	0.20
	EDTA-2Na	0.05
	Xanthan Gum	0.10
	hyaluronic acid	0.05
	Sodium Bisulfite	0.10
Deionized Water	To 100	
Phase C	Arbutin (Brilliant-MB208)	2.50
	Kojic Acid (Brilliant-MB218)	1.00
	Deionized Water	8.00
Phase D	Glycyrrhizic Flavone	1.00
	Trimethylene Glycol	3.00
Phase E	SEPIGEL 305	0.30
Phase F	LGP	0.40

Notice: PH = 5.5-6.5.

Procedure:

Heat phases A) and B) separately to 80 centigrade. Add phase B) to phase A), then homogenize for 5-6 minutes. cool to 65 centigrade, add Phase E) to Phase AB), homogenize 2-3 minutes and cool to 45 centigrade.

Then add items of phase C), phase D) and Phase F) and stir cold.