

PRODUCT NAME

DL-MA

DESCRIPTION

DL-MA is an aromatic alpha hydroxy acid. It appears as a white crystalline solid that is soluble in water and polar organic solvents. In cosmetics and personal care products, it functions as a bactericide and an antimicrobial and it is ideal for use in acne treatments, anti-aging treatments, and whitening products.

PRODUCT IDENTIFICATION

INCI Name: Mandelic Acid

CAS No.: 90-64-2

EINECS Number: 202-007-6

Chemical Formula: $C_8H_8O_3$

Molecular Weight: 152.15

SPECIFICATION

ITEMS	SPECIFICATION
Appearance	White crystal
Assay (on dry basis)	99% Min
Moisture	0.5% Max
Solubility	Soluble in water and ether
Transmittance (10%w/v water)	Not less than 90%
Turbidity	<20NTU
Melting point	117-121°C
$[\alpha]_D^{20}$	$\pm 0.25^\circ$
Residue on ignition	0.5% Max
Cyanide	Should be absent
Benzene	50mg/kg Max

ADVANTAGES

- High-efficiency
- Low irritant
- Relatively safe

STORAGE AND STABILITY

The product may be stored for 24 months from the date of manufacture in the unopened original container and at room temperature.

It should be protected from light, heat, oxygen and moisture. Keep container tightly closed. Once opened, use contents quickly.

APPLICATIONS

- Lotions
- Moisturizers
- Chemical face peels

DOSAGE

0.2-0.5%