

TECHNICAL DATA

Actique™ MAP

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INCI Name: *Magnesium Ascorbyl Phosphate*

CAS# 113170-55-1



SPECIFICATIONS

Appearance

Color (3% solution, APHA)

pH (3% Solution)

Assay (%)

Chloride (%)

Free ascorbic acid (%)

Free phosphoric acid (%)

Heavy Metals (ppm, Pb)

LIMITS

white to pale
yellow
powder

70 Max.

7.0 – 8.5

98.5 Min.

<0.35

<0.5

<1.0

<20

STORAGE: Keep in cool (below 25°C)
storage in unopened containers away from
light and moisture. Avoid prolonged
exposure to air.

CHARACTERISTICS

- Potent anti-oxidant; protects skin from oxidation and can offer protection from UV rays
- Anti-aging; improves skin elasticity by enhancing collagen production and strengthening the skin's immune system
- Non-irritating skin whitening agent that inhibits tyrosinase activity

DESCRIPTION

Actique™ MAP is a stable vitamin C derivative that does not readily degrade in formulas containing water. It is oxygen-stable, light-stable, non-poisonous and anti-inflammatory.

By inhibiting tyrosinase activity, **Actique™ MAP** is capable of melanin reduction. This makes it effective in lightening age spots and whitening dark skin.

In addition, unlike ascorbyl palmitate, **Actique™ MAP** is very compatible with sensitive skin since it is able to boost skin collagen synthesis at a lower concentration.

APPLICATIONS

Actique™ MAP is widely used as a superior grade additive in lotions, creams, sun care products, after sun care products, makeup products, skin-whitening products, and anti-aging products.

Formulation Guidelines

The recommended volume of usage: 3~15%
 Best used in products with final pH: 6.0-7.0
 Stable at 80°C, for up to 20 hours, therefore can be added to the water phase prior to heating

Typical usage rate: 0.2-3, up to 10%

Solubility: Soluble in water, mix well, allow time to dissolve

Shelf life: Two years



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