

## SpecWhite<sup>®</sup> MAP



Product Code: 110013  
INCI Name: Magnesium Ascorbyl Phosphate  
CAS No.: 113170-55-1  
Molecular Formula:  $C_{12}H_{12}O_{18}P_2Mg_3 \cdot 10H_2O$   
Molecular Weight: 759.22

### Characteristic

- It is considered to be a whitening ingredient in global ,it can Inhibit the activity of tyrosinase,with spots removing and whitening effect.
- After the absorption by the skins, it can eliminate free oxygen
- Radical in order to remove wrinkles with antiaging function.
- There is synergic effect with Vitamin E.
- It is stable and not easy to change color.
- Non-poisonous and non-irritating.



### Specification

Appearance	Almost white powder
Assay	Not less than 98.5%
Color (3% solution)	Transparent
pH value (3% solution)	7.0 -- 8.5
Specific rotation $[\alpha]_D^{20}$	Not less than +44°
Loss on drying	Not more than 20.0%
Cl	Not more than 0.35%
Total bacteria	Not more than 100cfu/g
As	Not more than 2.0 mg/kg
Heavy metals	Not more than 20mg/kg

### Application:

Skin lightening products, Daily skin care, Sun care, Oral care.

### Dosage:

1- 3% .

### pH use level:

Best pH value 6.5, Acceptable range: 6.0 ~ 7.5.

### Solubility:

It can be soluble in water and glycerin.

### Stability in formulations:

It has good stability in formulation .

### Notice:

Before added essence and preserving agent, dissolve MAP with appropriate amount dH<sub>2</sub>O to pulp under 55°C;

### Package:

1kg/bag, 25kg/carton.

### Storage:

Protect from light and keep in cool and dry place.