

# Technical Data Sheet

## Sunsorb M50

Lauryl Glucoside (and) Xanthan Gum (and) Dipropylene Glycol (and) Methylene Bis-Benzotriazolyl Tetramethylbutylphenol (and) Aqua  
CAS# 110615-47-9 (and) 11138-66-2 (and) 110-98-5 (and) 103597-45-1 (and) 7732-18-5

### Description

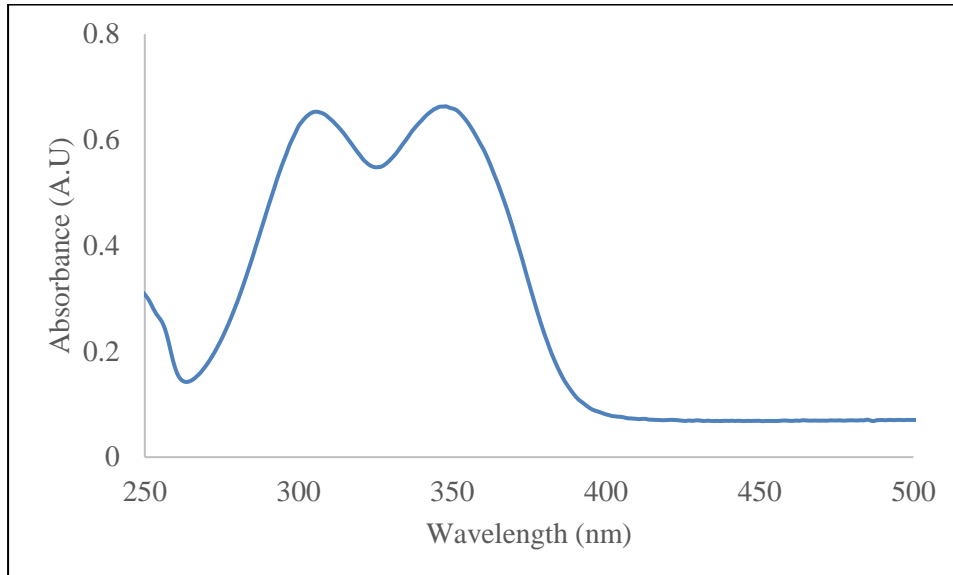
Sunsorb M50 exhibits absorption over a broad UV range. Its UV spectrum region is wide enough to include the UV region as well as some blue light region. Sunsorb M50 also increases the photostability of other UV filters.

Sunsorb M50 is micro-dispersion product that is easily compatible with most cosmetic ingredients. Sunsorb M50 micro-dispersion can be post-added to emulsions, making it suitable for cold process formulations.

### Specifications

Item	Specification
Appearance	White viscous dispersion
pH	10.0 ~ 11.5
Viscosity (mPas, 25°C)	200 ~ 1,000
$\lambda_{\max 1}$ (nm)	306 ± 5
$\lambda_{\max 2}$ (nm)	348 ± 5
Specific absorption (E1/1, 348nm in dichloromethane)	288 ~ 312
Active Contents (%)	48.0 ~ 52.0
Loss on Drying (% , 1g, 135°C, 1hr)	43.0 ~ 47.0
Total Molds (cfu/g)	≤ 100

## UV Absorption Spectrum



## Applications

It can be applied to various kinds of sun care products.

## Storage

Keep container tightly sealed and store in a cool, well-ventilated area. Keep away from moisture. Keep the storage temperature between 0°C and 40°C.

**Shelf Life**    2 years