



# Naticide®

## Natural preservation


*Preservative-free claims*

### FOCUS INFO

#### INCI NAME

Parfum

#### SPECIFICATIONS

Appearance: clear liquid  
Colour: from colorless to pale yellow  
Odour: characteristic  
Suggested dosage: 0.3% - 1 %  
China Approved 

#### COSMETIC APPLICATIONS

Naticide® can be used in wide range of personal care formulations such as:

- Body and face creams
- Delicate detergents
- Cleansers

### CHARACTERISTICS

Naticide® is a vegetable origin fragrance, created by Sinerga Research Centre, with a wide and complete spectrum activity, effective against Gram+, Gram-, yeasts and moulds in a pH range between 4 - 9.

Thanks to its vanilla-like aroma, the use of additional perfumes can be avoided and Naticide® could be also the base for a fresh and natural scent.

It is safe and extremely skin compliant.

A new concept for safe and preservative-free formulations of cosmetics according to the most innovative market trends.

### PROPERTIES

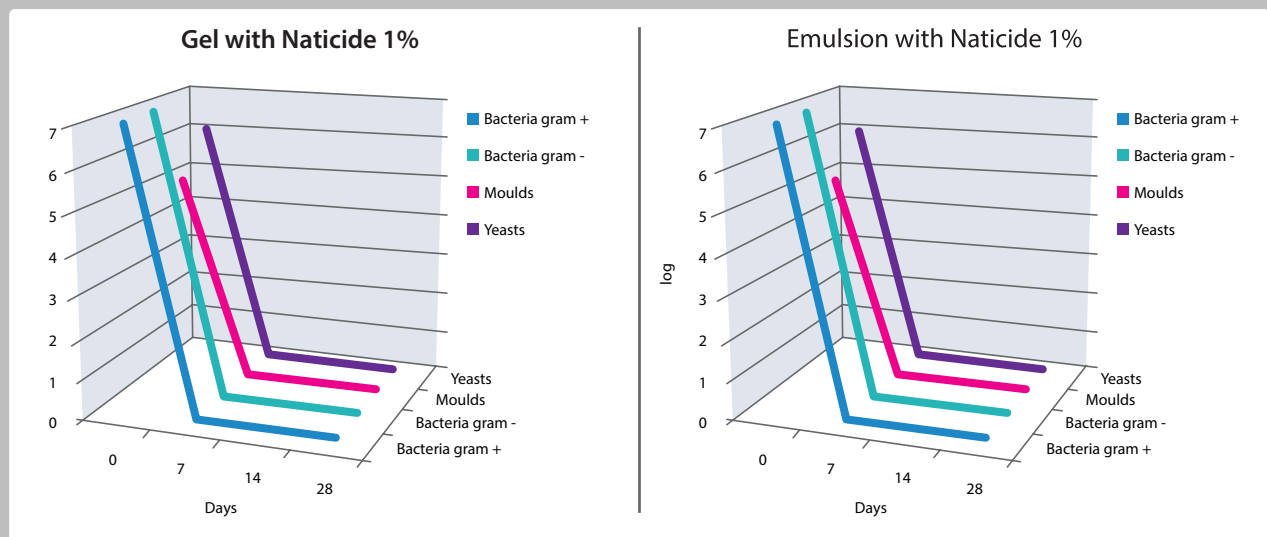
- Full spectrum activity
- Preservative-free claims
- Excellent stability
- Total compatibility
- Fragrance fixative properties
- Great skin tolerability
- Light sweet smell
- Easy to handle

## ANTIMICROBIAL ACTIVITY

The antimicrobial activity of Naticide® has been tested by a simulated microbial attack, better known as CHALLENGE TEST. The method use for the Viable count is the one according to Farmacopea Ufficiale Italiana IX ed. and the UE Policy 76/768 (dated 27.07.1976).

## CHALLENGE TEST TRIALS

To determinate the microbial survival a total viable count has been performed after 7, 14, 28 days.



## CHALLENGE TEST RESULTS

After 7 days from the inoculation, a drastic decrease of the microbial populations (-99,9%) has been registered with no further growth after 14 and 28 days.

Naticide® can be thus considered a high performance growth inhibitor, with high efficacy against all tested microorganisms.

## FORMULATING WITH NATICIDE®

When formulating emulsions, add 1% Naticide® at the end.

Naticide® is water dispersible only up to 0.6%. In case of higher percentage, the remaining amount is to be added at the end of the formulation.

It is recommended the usage of proper solubilizing agent into the hydrophilic phase.