

DEFINITION

NANOSPHERES 100 CAFEISILANE C (SA) are an aqueous suspension of particles loaded with CAFEISILANE C.

NANOSPHERES 100 are very small particles (with a diameter of around 100 nm) made from a porous polymer : this special structure gives them good adsorption abilities.

100 g of loaded NANOSPHERES 100 suspension contain about 10^{15} NANOSPHERES which constitute as many microreservoirs of CAFEISILANE C which will release their actives progressively.

ANALYTICAL COMPOSITION

1 kg of NANOSPHERES 100 CAFEISILANE C (SA) contains :

CAFEISILANE C	900 g
Particles	10^{16}
water	(q.s.) 1000 g

CHARACTERISTICS

Whitish opaque liquid

Miscible with water

pH : about 5.5

INCOMPATIBILITIES

NANOSPHERES 100 CAFEISILANE C (SA) have the same incompatibilities as the Silanol itself (it must not be exposed to temperatures below 0°C, i.e. Silanol's own incompatibilities)

TOXICITY

NANOSPHERES 100 CAFEISILANE C (SA) are not irritant for the eyes and for the skin.

LD 50 = 10 ml / kg

ACTIVITIES

NANOSPHERES 100 slowly release the CAFEISILANE C at the cutaneous level and ensure a better bioavailability of this CAFEISILANE C.

This diffusion or controlled release avoids needless occasional overloads and increases the tolerance of the product. Hence, the response to cosmetic treatment becomes more harmonious ; the dispersion of the active principle is homogeneous at the cutaneous surface which ensures a better efficacy.

USING INDICATIONS

Lipolytic action : slimming, reduction of bags under the eyes.

USING CONDITIONS

Active designed for the manufacture of cosmetic products such as emulsions and lotions.

A pH of 4 to 7 must be respected, and NANOSPHERES 100 CAFEISILANE C (SA) must be incorporated into emulsions at the end of the manufacturing process, at a temperature below 30°C.

PRESERVATION

NANOSPHERES 100 CAFEISILANE C (SA) contain the same preservatives as the corresponding Silanol (parabens, sorbic acid).