

NANOVECTOR LONG-LASTING HYDRO-DISPERSIBLE REPELLENT (WITH ETHYL BUTYLACETYLAMINOPROPIONATE)

CODE: NANO-R-HD-1

Date of last amendment: 05.10.2018

INCI name: ETHYL BUTYLACETYLAMINOPROPIONATE (AND) SORBITAN STEARATE (AND) PROPYLENE GLYCOL (AND) WATER

DESCRIPTION: Nanovector encapsulating Ethyl butylacetylaminopropionate (IR3535 from MERCK) dispersible in water.

PROPERTIES: Easily dispersed in aqueous media, it allows for the formulation of alcohol-free repellents. Ethyl butylacetylaminopropionate is an effective, low-toxicity repellent.

Ideal for the development of:

Alcohol-free repellents with 12.50% ethyl butylacetylaminopropionate (6-hour repellency) and/or

Alcohol-free repellents with 20.00% ethyl butylacetylaminopropionate (8-hour repellency).

Request efficacy studies and formulations.

COMPOSITION (INCI NAME)

% (weight)

Ethyl butylacetylaminopropionate (CAS # 52304-36-6)

40,00

Sorbitan Stearate (CAS # 1338-41-6)

20,00

Propylene Glycol (CAS # 57-55-6)

20,00

Water (CAS # 7732-18-5)

20,00

Production Method:

Microfluidification.

Color:

Colorless to slightly yellowish.

Appearance:

Translucent to slightly opalescent fluid. Absence of foreign material.

Odor:

Smooth, characteristic.

pH:

5.00 to 7.50 (pH testing strip, 25°C)

Relative Density:

1.010 - 1.060 USP XXVII (pycnometer) (20°C) (USP XXVII)

Dry Residue:

75.00 g.% minimum (0.5 g. 1 hour at 110°C)

Refractive Index

1.4400-1.4500

FTIR-ATR Identification

Meets expected spectrum

Microbiological Control:

Mesophilic bacteria: less than 200 CFU/gr. Moulds & yeast: less than 20 CFU/gr. No pathogens.

Keep refrigerated (5-15°C). Do not freeze. Protect from light. Shake before use.

EXTERNAL COSMETIC USE