

CREMOR LENIENS

CZ 152:2026

Softening cream

DEFINITION

A hydrophobic cream stabilised with antioxidant and antimicrobial preservatives.

Content. From 19.0 % to 21.0 % water.

COMPOSITION AND PROCEDURE

Cera alba (0069)	7.0 g
Cetyl palmitas (1906)	9.0 g
Helianthi oleum raffinatum (1371)	53.4 g
Glyceroli monostearas 40-55 (0495)	5.5 g
Aqua purificata (0008)	20.0 g
Ricini oleum virginale (0051)	5.0 g
Methylparabenum (0409)	0.07 g
Propylparabenum (0431)	0.03 g
Propylis gallas (1039)	0.02 g
Geranii etheroleum (CZ 066)	0.25 ml

White wax, cetyl palmitate, glycerol monostearate 40-55, refined sunflower oil and virgin castor oil are melted in a water bath, propyl gallate is dissolved in the melted mixture, and a solution of parabens in water at the same temperature is gradually mixed into the melted mixture at a temperature of approximately 50 °C. Stir until cool. Geranium essential oil is mixed into the cooled cream.

CHARACTERISTICS

Appearance. White or at most light yellow cream with the scent of geranium essential oil.

There are neither visible droplets nor a continuous layer of liquid on the surface.

Solubility. Does not dissolve in water and can be mixed with more but only a limited amount of water.

IDENTIFICATION TESTS

A. Apply a layer of cream approximately 2 mm thick onto two microscope slides. Drip one

drop of *Sudan III* sRN (10 g/l) solution in *liquid paraffin R* onto one layer and one drop of *blue methylene R* (2 g/l) solution onto the other layer. After 2 minutes, rinse the layers with water and examine their colouring. The tested product turns red when exposed to Sudan III solution, but does not change colour when exposed to methylene blue solution (*hydrophobic cream*).

B. Mix approximately 1 g with 5 ml of *water R* and heat in a water bath with 0.5 ml of *Millon's reagent RN* until melted. After a while, the mixture turns red (*parabens*).

C. Heat approximately 1 g with 2 ml of 96% *ethanol R* in a water bath until melted, shake for 30 seconds and, after cooling, add 1 ml of *concentrated ammonia R*; the mixture immediately turns red, and after a while, the colour disappears (*propyl gallate*).

PURITY TESTS

Acid number (2.5.1). At most 2.5.

Iodine number (2.5.4). 70 to 80.

Peroxide number (2.5.5). At most 20.

Saponification number (2.5.6). 134 to 142; determined using 2.00 g of the test substance.

DETERMINATION OF CONTENT

Water. Determination by distillation (2.2.13).

STORAGE

See article *Praeparata semisolida ad usum cutaneum* (0132).

Protected from light and freezing.

MARKING

See article *Praeparata semisolida ad usum cutaneum* (0132).

The label shall indicate the names of the antimicrobial preservatives used.