

Product Information

Product Data Sheet

MELFADE[®] PF

Description

MELFADE[®] PF is an aqueous solution of a highly purified bearberry leaves extract (Arctostaphylos Uva-Ursi), known as a natural source of arbutin (max. 3% in MELFADE[®] PF), and a vitamin C derivative for skin care application. MELFADE[®] PF is preserved with Sodium Benzoate and Phenoxyethanol.

Product identification

Product code: 50 3818 9

Composition

INCI name	Content	CAS No.	EINECS/ELINCS
Arctostaphylos Uva Ursi Leaf Extract	1-5%	84776-10-3	283-934-3
Magnesium Ascorbyl Phosphate	1-5%	114040-31-2 113170-55-1	none
Glycerin	10-25%	56-81-5	200-289-5
Aqua	>50%	7732-18-5	231-791-2
Sodium Benzoate	1-5%	532-32-1	208-534-8
Sodium Metabisulfite	0.1-1%	7681-57-4	231-673-0
Phenoxyethanol	0.1-1%	122-99-6	204-589-7

Specifications

Appearance:	clear, slightly yellowish solution
pH:	5.5 - 6.5
Relative density d _{20/20} :	1.068 - 1.080
Refractive index n ₂₅ :	1.364 - 1.370
Tyrosinase inhibitor activity:	> 50 TyIU ¹ / ml
Vitamin C magnesium phosphate:	2.0 - 4.0 % m/m
Total aerobic mesophile plate count:	< 100 CFU / ml
Specified microorganisms:	not detectable in one milliliter
Comment:	¹ TyIU=Tyrosinase Inhibitor Unit

Solubility

MELFADE[®] PF is soluble in water.

Stability and storage

MELFADE[®] PF may be stored for at least 24 months from the date of manufacture in the unopened original container protected from light in a clean and cool place at a temperature between 15 and 25°C. The 'Best use before' date is printed on the label. Keep package tightly closed.

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Once opened, use contents quickly. In order to avoid secondary microbial contamination, following opening, containers should be handled with special care.

Uses

MELFADE® PF is a cosmetic ingredient for skin care products. MELFADE® PF can be processed either warm (<60°C) or cold and should be incorporated into the aqueous phase of a cosmetic formulation. For skin care preparations, the addition of 1% to 5% MELFADE® PF is recommended.

Safety

This product is safe for the intended use. Avoid ingestion or direct contact by applying suitable protective measures and personal hygiene.

For full safety information and necessary precautions, please refer to the respective DSM Material Safety Data Sheet.

Legal notice

The information given in this publication is based on our current knowledge and experience, and may be used at your discretion and risk. It does not relieve you from carrying out your own precautions and tests. We do not assume any liability in connection with your product or its use. You must comply with all applicable laws and regulations, and observe all third party rights.

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