



ELAROMA – PEEO™ (Phenyl Ethyl Alcohol)

Technical Datasheet

1. Technical Datasheet

Property	Specification
Physical Properties	
Appearance	Clear, colorless liquid
Physical Form	Liquid
Odor	Mild roselike odor
Molecular Weight (g/mol)	122.16
Density or Specific Gravity	1.0202 at 20 °C/4 °C
Viscosity	7.58 centipoise @ 25 °C; 3.19 centipoise @ 50 °C
Refractive Index	1.5325 at 20 °C/D
Density	1.0202 at 20 °C/4 °C
Chemical Properties	
Water Solubility	2 g/100ml at 20 °C
Thermal Properties	
Melting Point	-27 °C
Boiling Point	218.2 °C
Flash Point	102 °C
Autoignition Temperature	410 °C

2. Processing Methods



Perfume

Blend directly into the perfume concentrate, as it is alcohol-soluble and helps smooth transitions between top and heart notes. Check for oxidation stability, and store in airtight containers to prevent slight yellowing or scent shift over time.

Key Ingredients	Indicative Dosage (% w/w)
Phenyl Ethyl Alcohol	4%
Linalool	10%
Benzyl Acetate	10%
Iso E Super	15%
Hedione	10%
Galaxolide	10%
Musk Ketone	5%
Para Anisic Aldehyde	2%
Cinnamic Alcohol	1%
Dipropylene Glycol (DPG)	33%

Shampoo

Add during the cool-down phase, to preserve its aroma and prevent volatility loss. Pre-mix with fragrance oils and solubilizer for proper dispersion in the aqueous shampoo base.

Key Ingredients	Indicative Dosage (% w/w)
Water	~63%
Sodium Laureth Sulfate	15%
Cocamidopropyl Betaine	6%
Glycerin	3%
Citric Acid	0.3%
Polyquaternium-10	0.2%
Disodium EDTA	0.1%
Preservative (e.g. Phenoxyethanol)	0.8%
Fragrance blend	11%
Phenyl Ethyl Alcohol	0.5%



Soap

Add during the fragrance phase, when the soap has cooled, to reduce evaporation and scent loss. Pre-blend with other fragrance components, especially in cold process soap, for better scent distribution.

Key Ingredients	Indicative Dosage (% w/w)
Sodium Palmate	40%
Sodium Palm Kernelate	25%
Water	15%
Glycerin	5%
Sorbitol	5%
Titanium Dioxide	1%
Tetrasodium EDTA	0.1%
BHT	0.2%
Fragrance Blend	~8%
Phenyl Ethyl Alcohol	0.5%

Cosmetic cream

Add during the cool-down phase, to maintain fragrance stability and avoid evaporation. Pre-mix with a solubilizer or fragrance oil to ensure uniform dispersion in the cream emulsion.

Key Ingredients	Indicative Dosage (% w/w)
Water	~70%
Glycerin	5%
Cetearyl Alcohol	4%
Caprylic/Capric Triglyceride	5%
Glyceryl Stearate	3%
Dimethicone	2%
Phenoxyethanol	0.8%
Ethylhexylglycerin	0.2%
Carbomer	0.3%
Triethanolamine	0.2%
Tocopherol (Vitamin E)	0.3%
Fragrance Blend	~9%
Phenyl Ethyl Alcohol	0.5%



3. Products | Authorized dosage

Products	Authorized dosage
Perfume/Fragrance	Upto 4%
Cosmetic Care (Moisturizing Creams)	Upto 0.71%
Cosmetic Care (Lotions)	Upto 1%
Soaps	Upto 3.2%

The information and data contained herein are believed to be accurate but may not be all inclusive and should only be used as a guide. The information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the product for his particular use and on condition that they assume the risk of the use thereof.

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