



ELAROMA - SAAC™ (Styrallyl Acetate)

Technical Datasheet

1. Technical Datasheet

Property	Specification
Physical Properties	
Appearance	Colorless to pale yellow liquid.
Physical Form	Colorless to pale yellow liquid
Odor	Powerful, green, leafy, with fruity (rhubarb) and floral (gardenia) notes
Molecular Formula	C ₁₀ H ₁₂ O ₂
Molecular Weight	164.20 g/mol
Density	1.02 g/cm ³
Specific Gravity	1.020 - 1.030 @ 20°C
Viscosity	3.06 mm ² /s at 20°C
Refractive Index	1.492 - 1.497 @ 20°C
Assay / Purity	≥98%
Chemical Properties	
Ionic Nature	Non-ionic
Incompatibilities	Strong oxidizing agents, strong bases, strong acids
Hazardous Reactions / Decomposition Products	Hazardous decomposition products formed under fire conditions include carbon oxides.
Thermal Properties	
Melting Point	-60 °C
Boiling Point	230-232 °C
Flash Point	95 °C (203 °F)
Autoignition Temperature	>450 °C
Thermal Stability	Stable under recommended storage conditions. Avoid extreme heat, flames, and sparks.
Solubility	
Solubility in Water	1.27 g/L at 20°C (Slightly soluble)
Solubility in Ethanol	579.64 g/L @ 25°C (Soluble)



Property	Specification
Solubility in Methanol	873.16 g/L @ 25°C (Soluble)
Solubility in Acetone	512.6 g/L @ 25°C (Soluble)
Solubility in Diethyl Ether	Readily soluble
Solubility in Glycerol	Insoluble

2. Processing Methods

Rhubarb Accord

This blend creates a balanced, tart, and fresh accord that mimics the complexity of real rhubarb. Styrallyl acetate provides the signature tart-green impact.

Key Ingredients	Indicative Dosage (% w/w)
Styrallyl Acetate	20-25%
Hexyl acetate (Green Apple)	20-25%
Citral/Limonene (Lemon)	25-30%
cis-3-Hexenol (Cucumber)	25-30%

Gardenia Accord

This combination reconstructs the elusive gardenia scent. Styrallyl acetate imparts the green, garden-fresh signature note.

Key Ingredients	Indicative Dosage (% w/w)
Styrallyl Acetate	20-25%
Jasmine Absolute	20-25%
Jasmine Lactone	25-30%
Tuberose Absolute	25-30%

3. Dosing by Application

Application	Recommended / Max Dosage
Fragrance Concentrate	Up to 5.0%
Fine Fragrance	Typically 0.5% in a perfume compound
Shampoos, Conditioners, Soaps, Creams, Lotions	Good performance and stability indicated, typical fragrance use levels apply.
Flavor Compositions	1 to 30 ppm in the finished product



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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