



**CAS Number:** 21662-09-9  
**FEMA Number:** 3264  
**FLAVIS Number:** 05.137; 05.096  
**GB Number:** Not approved

## APPLICATION

**Olfactive Description:** Unique, spicy, aldehydic, citrus note that is reminiscent of freshly crushed cardamom pods.

**Fragrance Use:** Powerful and extremely diffusive. Works well to compliment and boost citrus, spice, and herbal types. Used in green, lilac, and muguet fragrances or for lift in orange-flower fragrances. A great top note for all types.

## DETAILS

**Molecular Weight:** 154.25  
**Molecular Formula:** C<sub>10</sub>H<sub>18</sub>O  
**Chemical Name:** Cis-4-Decenal  
**Suggested Use Level:** Traces - 0.5%  
**Tenacity on Blotter:** >24 Hours

## SPECIFICATIONS

**Minimum Purity:** 98.0% (sum of isomers)  

- Main Isomer:** 93.0% min. (cis)
- Secondary Isomer:** 0.1% - 6.0% (trans)

**Appearance:** Colorless to slightly yellow liquid  
**Additives:** Synthetic alpha tocopherol at 0.50%

## TECHNICAL

**Log P:** 3.55  
**Flash Point:** 185°F (CC)  
**Boiling Point:** 221.95°C (EPI 4.0)  
**Vapor Pressure:** 0.08 mmHg at 20°C  
**Solubility:** Insoluble in water; soluble in alcohol  
**Nature Identical:** Yes

## STABILITY

pH	Base	Poor	Moderate	Good	Excellent
3	Fabric Softener			x	
3.5	Antiperspirant				x
6	Shampoo			x	
7	Dish Detergent				x
9	Liquid Detergent			x	
-	Soy Wax-Burn Performance				x