



**CAS Number:** 21944-98-9  
**FEMA Number:** 4036  
**FLAVIS Number:** 05.220  
**GB Number:** S0859

## APPLICATION

**Olfactive Description:** Aldehydic, peely fresh notes of tangerine and orange.

**Fragrance Use:** Blends well with citrus types. Can be used to impart a sweeter mandarin top note to fragrances, makes a composition brighter, fresher, and more aldehydic in nature.

## DETAILS

**Molecular Weight:** 182.31  
**Molecular Formula:** C<sub>12</sub>H<sub>22</sub>O  
**Chemical Name:** Cis-4-Dodecenal  
**Suggested Use Level:** Traces - 1.0%  
**Tenacity on Blotter:** >48 Hours

## SPECIFICATIONS

**Minimum Purity:** 97.0% (sum of isomers)  
 • **Main Isomer:** 94.0%-99.9% (cis)  
 • **Secondary Isomer:** Not applicable  
**Appearance:** Colorless to pale yellow liquid  
**Additives:** Synthetic alpha tocopherol at 0.50%

## TECHNICAL

**Log P:** 4.53  
**Flash Point:** 210°F (CC)  
**Boiling Point:** 257.92°C (EPI 4.0)  
**Vapor Pressure:** 0.0111 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	