



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: C₁₂H₂₂O
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	