



CAS Number: 20407-84-5
FEMA Number: 2402
FLAVIS Number: 05.037; 05.144
GB Number: S0159

APPLICATION

Olfactive Description: An aldehydic, waxy mandarin orange odor with herbal type nuances.

Fragrance Use: Effects can be seen as little as parts per thousand. Has many uses including a topnote to achieve a fresh, clean effect or for the heavy notes in a citrus complex.

DETAILS

Molecular Weight: 182.30
Molecular Formula: C₁₂H₂₂O
Chemical Name: 2-Dodecenal (High Trans)
Suggested Use Level: Traces - 2.0%
Tenacity on Blotter: >48 Hours

SPECIFICATIONS

Minimum Purity: 95.0% (sum of isomers)
• **Main Isomer:** 93.0% min. (trans)
• **Secondary Isomer:** 0.1% - 3.5% (cis)
Appearance: Slightly yellow liquid

Additives: Synthetic alpha tocopherol at 0.50%

TECHNICAL

Log P: 4.53
Flash Point: 230°F (CC)
Boiling Point: 257.92°C (EPI 4.0)
Vapor Pressure: 0.01 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