



Molecular Weight: 182.30
Molecular Formula: C₁₂H₂₂O
Chemical Name: 2-Dodecenal (High Trans)

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

FRAGRANCE APPLICATION

Olfactive Description: Aldehydic, peely, orange waxy.

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

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: Slight 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

FLAVOR APPLICATION

Taste Description: Fatty, waxy, citrus peel notes with cilantro and similar herbal-type notes.

Flavor Use: Citrus flavors, specifically orange and tangerine. Excellent for cilantro and similar herbal-type flavors. Can also be used to impart fatty notes of melon and cucumber.

DETAILS

Suggested Use Level: 5.0 - 50.0 PPM

SPECIFICATIONS

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

Appearance: Slight yellow liquid

Additives: Synthetic alpha tocopherol at 0.50%

TECHNICAL

Log P: 4.53
Flash Point: 230 °C (EPI 4.0)
Boiling Point: 257.92 °F (EPI 4.0)
Vapor Pressure: 0.01 mmHg at 20 °C
Solubility: Insoluble in water; soluble in alcohol
Nature Identical: Yes
Kosher: Yes
Halal: Yes