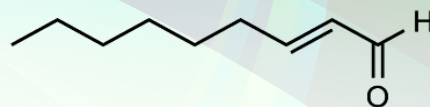


trans-2-NONEN-1-AL FCC
2-Nonenal, (2E)-



BRI Number: 353-SUS
CAS Number: 18829-56-6
FEMA Number: 3213
FLAVIS Number: 05.072; 05.171
GB Number: S0147

Molecular Weight: 140.23
Molecular Formula: C₉H₁₆O

FRAGRANCE APPLICATION

Olfactive Description: Green, aldehydic, bright odor with persistent fatty, carrot leaf, and melon notes.
Fragrance Use: Addition of traces to ionones and methyl ionones lends power and diffusion. Blends well with florals.

DETAILS

Suggested Use Level: Traces - 1%
Tenacity on Blotter: >8 Hours

STABILITY

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

SPECIFICATIONS

Minimum Purity: 97.0% (sum of isomers)
• **Main Isomer:** 96.0% min. (trans.)
• **Secondary Isomer:** 0.1% - 3.5% (cis)

Appearance: White to slightly yellow liquid

Additives: Synthetic alpha tocopherol at 0.50%

TECHNICAL

Log P: 3.06
Flash Point: 185 °F (CC)
Boiling Point: 302.61 °C (EPI 4.0)
Vapor Pressure: 0.021 mmHg at 20 °C
Solubility: Insoluble in water; soluble in alcohol
Nature Identical: Yes

FLAVOR APPLICATION

Taste Description: Sweet, fatty, citrus, melon.
Flavor Use: Good for citrus, especially orange and melon like cantaloupe flavors.

DETAILS

Suggested Use Level: 0.1 - 10 PPM

SPECIFICATIONS

Minimum Purity: 97.0% (sum of isomers)
• **Main Isomer:** 96.0% min. (trans.)
• **Secondary Isomer:** 0.1% - 3.5% (cis)

Appearance: White to slightly yellow liquid

Additives: Synthetic alpha tocopherol at 0.50%

TECHNICAL

Log P: 3.06
Flash Point: 185 °F (CC)
Boiling Point: 302.61 °C (EPI 4.0)
Vapor Pressure: 0.021 mmHg at 20 °C
Solubility: Insoluble in water; soluble in alcohol
Nature Identical: Yes
Kosher: Yes
Halal: Yes