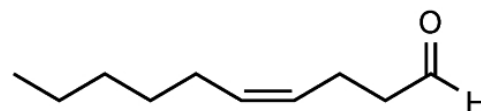




CARDAMOM ALDEHYDE FCC

BRI 381

CAS Number: 21662-09-9
FEMA Number: 3264
FLAVIS Number: 05.137; 05.096
GB Number: Not approved



Molecular Weight: 154.25
Molecular Formula: C₁₀H₁₈O
Chemical Name: Cis-4-Decenal

APPLICATION

Olfactive Description: A unique spicy, aldehydic, citrus note reminiscent of the exhilarating odor of freshly crushed cardamom pods with significant impact.

Fragrance Use: Powerful and extremely diffusive. Works well to compliment and boost citrus, spice, and herbal types. Used in green, lilac, and muguet fragrances or for lift in orange-flower fragrances. A great top note for all types.

Suggested Use Level: Traces - 0.5%
Tenacity on Blotter: >24 Hours

SPECIFICATIONS

Minimum Purity: 98.0% (sum of isomers)

- **Main Isomer:** 93.0% min. (cis)
- **Secondary Isomer:** 0.1% - 6.0% (trans)

Appearance: Colorless to slightly yellow liquid
Additives: Synthetic alpha tocopherol at 0.50%

TECHNICAL

Log P: 3.55
Flash Point: 185°F (CC)
Boiling Point: 221.95°C (EPI 4.0)
Vapor Pressure: 0.08 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