

Decanal (Perfumery Quality)

Technical Data Sheet

Decanal (Perfumery Quality)

Synonyms: Capric aldehyde, Decylaldehyde, Aldehyde C10, Decanal P.Q.



Registration	
CAS No.	112-31-2
EINECS No.	203-957-4
FEMA No.	2362

Specifications	
Acid Value (mg KOH/g)	max. 2.5
Refractive Index (n_d^{20})	1.426 – 1.429
Density (g/cm ³ , 25 °C)	0.823 – 0.826
Decanal (% rel)	min. 98.5
1-Decanol (% rel)	max. 1.0
Water (%)	max. 0.25
Organoleptic control	yes

Standard Packaging
Drum 160 kg

Chemical & Physical Properties	
General Formula	C ₁₀ H ₂₀ O
Molecular Weight (g/mol)	156.3
Boiling point (°C; 1013 mbar)	207 – 209
Melting point (°C)	<0
Flash point (°C)	87
Ignition point (°C)	195

Stabilization
500 ppm Tocopherol

Storage	
Recommended temperature	> 5 °C

Description	
Appearance	clear, pale yellow liquid
Odor	sweet, waxy, citrus, floral
Flavor	waxy, soapy, greasy, fatty

Applications
Flavor & Fragrance, Intermediate

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