

Hexanal HP

Technical Data Sheet

Hexanal HP

Synonyms: Hexaldehyde, Caproic aldehyde, Aldehyde C6



Registration	
CAS No.	66-25-1
Registration No.	200-624-5
FEMA No.	2557

Specification	
Appearance	clear, colorless liquid
Acid Value (mg KOH/g)	max. 5.0
Refractive Index (n_d^{20})	1.402 – 1.406
Density (g/cm ³ , 20 °C)	0.812 – 0.816
Color (Hazen)	max. 20
Water (%)	max. 0.1
Hexanal (% rel)	min. 99.0
Pentanal (% rel)	max. 0.1
Heptanal (% rel)	max. 0.1
Others each (% rel)	max. 0.2
Hexanal (IR)	yes

Chemical & Physical Properties	
General Formula	C ₆ H ₁₂ O
Molecular Weight (g/mol)	100.2
Boiling point (°C, 1013 mbar)	128
Melting point (°C)	-57
Flash point (°C)	26
Ignition point (°C)	205

Retesting
Recommended after 6 months of storage

Stabilization
500 ppm BHT

Standard Packaging
Drum 160 kg, IBC 800 kg, bulk

Description	
Odor	green, fatty, leaf, fruity, aldehydic
Flavor	green, woody, vegetable, apple, grassy, citrus, orange

Applications
Intermediate, Flavor & Fragrance, HP grade especially suited for pharmaceuticals

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