Aldehydes

CHEMICAL FAMILY

Aldehydes consist of an oxygen atom double-bonded to a carbon atom at the end of the carbon chain. Their effectiveness is most beneficial when used in a lower concentration, such as 1% or less. Known for their citrus-like and sometimes aphrodisiac fragrance, aldehydes are generally calming, anti-inflammatory and hypotensive. Aldehydes can also be strongly antifungal, antiviral, and antiseptic but may cause skin irritation.

THERAPEUTIC PROPERTIES		
ANTIFUNGAL	ANTIBACTERIAL	ANTI-INFLAMMATORY
ANTICATARRHAL	ANTISEPTIC	ANTISPASMODIC
CALMING TO CNS	FEVER REDUCER	HYPOTENSIVE
SEDATIVE	TONIC	VASODILATOR

COMMON ALDEHYDES CHEMICALS

MOLECULAR STRUCTURES

anisaldehyde	citronellal	benzoic aldehyde
cinnamaldehyde	citral	citronellal
cuminal	geranial	myrtenal
neral	perillaldehyde	phellandral
valeranai	cuminal	vanillin aldehyde
2-hexenal	decanal	

ESSENTIAL OILS CONTENT OF ALDEHYDES
ALDEHYDES % CONTENTS

Essential Oils	Percentage
Cassia	80%
Cambava	75%
Lemongrass	67%
Lemon Eucalyptus	60%
Cumin	49%
Cinnamon Bark	46%
Caraway Seed	19%
Lime	15%
Catnip	9%
Lemon	8%
Calamus	7%
Bitter Orange	7%
Citronella	6%
Eucalyptus Radiata	6%
Orange	6%
Marjoram	5%
Cistus	4%
Geranium	4%
Myrrh	4%
Myrtle	4%

ESSENTIAL OILS CONTENT OF ALDEHYDES
ALDEHYDES % CONTENT CONT.

Essential Oils	Percentage
Eucalyptus	3%
Ginger	3%
Lavender	3%
Mandarin	3%
Anise	2%
Bergamot	2%
Cajeput	2%
Douglas Fir	2%
Grapefruit Pink	2%
Ledum	2%
Neroli	2%
Onchya	2%
Petitgrain	2%
Spikenard	2%
Tangerine	2%
Blue Mallee	1%
Moroccan Thyme	1%
Black Pepper	1%
Niaouli	1%
Pine	1%