



High Purity Kalama[®] Flavor and Fragrance Ingredients

As a leading provider of high purity, nature identical aroma chemicals and the world's largest producer of benzaldehyde, Emerald is trusted for **consistency, quality, and expertise**. Our ingredients deliver the captivating appeal that plays a central role in **fine fragrance, personal care, home and air care, food, and beverages**.

Emerald serves our customers globally from operations in the U.S. and Europe, using **the highest standards for safety and quality**, including ISO 9001:2015, ISO 14001:2004, FCC, c-GMP, and FSSC 22000.



FLORAL



SPICY, AMBER, WARM



FRESH, GREEN, MARINE



FRUITY, CITRUS



WOODY, EARTHY, HERBAL



Floral

Delicate, sweet, luxurious

		CAS	Primary Notes	Fine Frag.	Personal Care	Home Care	Air Care	Food/Bev.	Feed
Amyl Cinnamic Aldehyde ●	K,W	122-40-7	Jasmine, rose, cocoa, fat	●	●	●	●		
C-9 Aldehyde ●	W	124-19-6	Rose, flower-wax, aldehyde	●					
C-11 Aldehyde ●●	W	112-44-7	Floral, fresh	●					
Florosol ●	W	63500-71-0	Muguet, rose, cyclamen, lilac	●	●				
Florosol A ●●	W	63500-71-0	Muguet, green, aldehyde, ozone	●	●				
Florosol S ●	W	63500-71-0	Muguet, rose, cyclamen, lilac	●	●	●	●		
Hexyl Cinnamic Aldehyde ●●	K,W	101-86-0	Jasmine, lily, green	●	●	●	●		
Laevo-Citronellol ●	W	7540-51-4	Fresh, light, rose, sweet (mint-free)	●					
Lilestralis Pure ●	W	80-54-6	Fresh, light, green, lily	●	●	●	●		
Ocimene PQ ●●●	W	3338-55-4	Warm, floral, sweet, slightly herbaceous	●		●			
Methyl Benzoate ●●●	K	93-58-3	Wintergreen, camphor, phenol; tropical floral; balsamic/spicy	●	●	●			●



Spicy

Alluring, comforting, sensual

		CAS	Primary Notes	Fine Frag.	Personal Care	Home Care	Air Care	Food/Bev.	Feed
3-Phenyl Propanol ●●●	K	122-97-4	Balsamic, spicy, oriental; slight lilac, hyacinth, honey	●	●	●		●	
Cinnamic Alcohol ●●●	K	104-54-1	Spicy, oriental, hyacinth-balsamic	●	●	●	●	●	●
Cinnamic Aldehyde ●●	K	104-55-2	Cinnamon, spicy, oriental	●	●	●	●	●	●
Cyprinal ●●	W	101-39-3	Powerful warm, cinnamon, spicy, balsamic, floral	●	●	●	●		
Cypriol ●●	W	1504-55-8	Sweet, balsamic-floral, tenacious oriental, slight styrax	●					



Fruity

Lively, refreshing, effervescent

		CAS	Primary Notes	Fine Frag.	Personal Care	Home Care	Air Care	Food/Bev.	Feed
Azuril ●●	W	680-84-04-8, 216-90-43-7	Powerful citrus-ozone-linen	●	●	●			
C-6 Aldehyde ●●	K	66-25-1	Fruity, slightly grassy	●	●			●	●
C-8 Aldehyde ●	K	124-13-0	Citrus	●	●	●		●	
C-10 Aldehyde ●●	W	112-31-2	Fresh citrus, orange peel	●	●	●		●	●
C-12 Lauric Aldehyde ●●●	W	112-54-9	Citrus, green, floral, aldehyde, soap, wax	●	●	●	●		
Citralis PQ ●●●	W	55066-49-4	Fresh, rose, citrus, ozone, muguet	●	●	●	●		
Peach Lactone ●	W	104-67-6	Fresh fruit, peach, creamy, fatty, apricot	●	●	●	●	●	



Earthy

Lush, serene, natural

		CAS	Primary Notes	Fine Frag.	Personal Care	Home Care	Air Care	Food/Bev.	Feed
Osyrol ●	W	128-51-8	Sandalwood, floral	●	●	●			
Vetimoss ●	W	41890-92-0	Outdoor, forest, damp wood, vegetation, potatoes	●	●	●	●		

Other Ingredients

		CAS	Primary Notes	Fine Frag.	Personal Care	Home Care	Air Care	Food/Bev.	Feed
Benzyl Benzoate Fixative, Solvent, Flavor, Pharmaceutical Application	K	120-51-1	Nearly Odorless	●	●		●	●	●
Benzaldehyde Fragrance/Flavor, Raw Material, Pharmaceutical Application	K,R	100-52-7	Almond, slight cherry	●	●			●	●
Benzyl Alcohol Coalescent, solvent, preservative, fixative	K,R	100-51-6	Aromatic	●	●		●	●	●

K - Produced in Kalama, WA, USA

R - Produced in Rotterdam, Netherlands

W - Produced in Widnes, UK

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