



# HOPZOIL™ Profiles

## El Dorado™ Hopzoil™ Aroma Profile

A bold, fruity aroma, that elicits notes of citrus zest, stone fruits (particularly apricots or cherries), light tropical fruits and even notes of watermelon, grass, pear and candied fruit (think Strawberry and Lemon Starburst!) Spice notes are a slight wood / mint.

### Comparative Oil Profile: Dried/Processed vs. Hopzoil™

	Dried/ Processed Hops	Hopzoil™ (from Certificate of Analysis)
Myrcene:	47.71%	80.2%
Farnesene:	.24%	0.05%
Caryophyllene:	9.35%	2.80%
Humulene:	12.92%	3.57%
Linalool	.7%	0.27%
Geraniol	.02%	0.01%
B-Pinene	.56%	1.07%

## Chinook Hopzoil™ Aroma Profile

Fresh Chinook has a heavy aroma profile of grapefruit/ citrus, spice and pine, with an herbal, almost smoky character and spicy bouquet, plus a bit of tropical fruit.

### Comparative Oil Profile: Dried/Processed vs. Hopzoil™

	Dried/ Processed Hops	Hopzoil™ (from Certificate of Analysis)
Myrcene:	20-30%	78.2%
Farnesene:	<1%	0.11%
Caryophyllene:	9-11%	2.93%
Humulene:	18-24%	4.70%
Linalool	0.3-0.5%	0.22%
Geraniol	0.7-1%	0.04%
B-Pinene	0.3-0.5%	1.11%

## Cascade Hopzoil™ Aroma Profile

Fresh Cascade has medium intense floral, citrus and grapefruit tones. Cascade is the most popular hop variety in all of Craft.

### Comparative Oil Profile: Dried/Processed vs. Hopzoil™

	Dried/ Processed Hops	Hopzoil™ (from Certificate of Analysis)
Myrcene:	45-60%	79.7%
Farnesene:	6-9%	1.92%
Caryophyllene:	5-9%	2.66%
Humulene:	14-20%	5.64%
Linalool	0.3-0.6%	0.33%
Geraniol	0.2%	0.02%
B-Pinene	0.5-.8%	1.16%

## CTZ\* Hopzoil™ Aroma Profile

CTZ (also referenced as either Columbus, Tomahawk® or Zeus) is most often viewed as a bittering hop, however, it has very high fresh oil content. Specific aroma descriptors include black pepper, licorice, curry and subtle citrus. Sharp and herbal, it has a surprisingly pleasant aroma.

### Comparative Oil Profile: Dried/Processed vs. Hopzoil™

	Dried/ Processed Hops	Hopzoil™ (from Certificate of Analysis)
Myrcene:	45-55%	86.3%
Farnesene:	<1%	0.05%
Caryophyllene:	6-10%	1.44%
Humulene:	9-14%	1.82%
Linalool	0.4-0.6%	0.25%
Geraniol	0.2-0.5%	0.02%
B-Pinene	0.6-1%	1.46%



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**Method of Analysis:**  
ASBC Hops 17 – Hops Essential Oils by GC - FOD