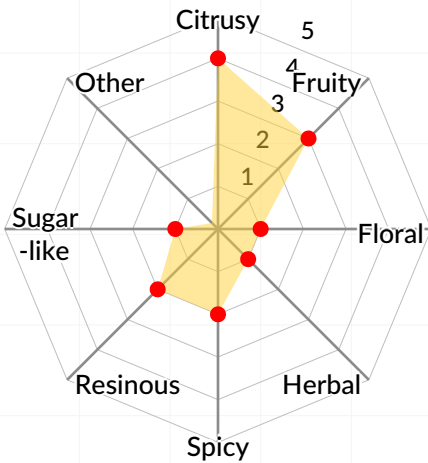


AROMA EVALUATION



VISUAL EVALUATION



AROMA SPECIFICATION

Tangerine, grapefruit, lime, bubble gum

GENETIC ORIGIN

Cascade x Huell male breeding line (94/045/001 x wild PM resistant male)

AGRONOMIC ASPECTS

GROWING

Yield (kg/ha)	2,000 - 2,500
Maturity	Late
Main Growing Country	Germany
Acreage (ha)	356

RESISTANCE AGAINST DISEASES

Wilt diseases	Tolerant
Downy mildew	Resistant
Powdery mildew	Resistant
Aphid	Tolerant

CHEMICAL INGREDIENTS

BITTER COMPONENTS

Alpha-Acid %	7.0 - 10.0
Beta-Acid %	4.0 - 7.0
Co-Humulone % rel.	31 - 35
Hard Resins : Alpha-Acid	0.21 - 0.33

POLYPHENOLS

Total Polyphenoles	5.7
Xanthohumol (EBC 7.7)	0.4 - 0.8

AROMA COMPONENTS

Total Oils (ml/100g)	1.1 - 2.1
Beta-Caryophyllene: Humulene	0.28 - 0.31
Farnesene % of total Oil	0.10 - 3.30
Linalool % of total Oil	0.1 - 0.6
Linalool: Alpha-Acid	0.01 - 0.04

HOP ALTERNATIVES

BREWHOUSE

Perle, Hallertauer Tradition, Lemondrop

DRY HOPPING

Lemondrop

HOPS HOTLINE

800.339.8710