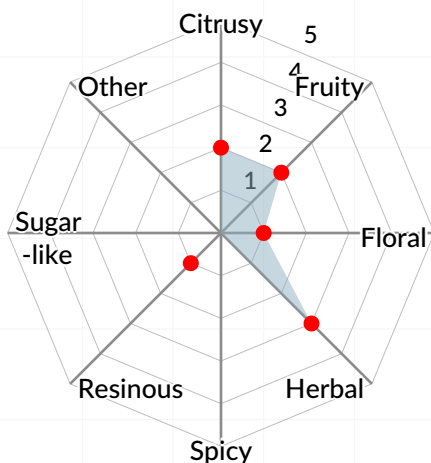


AROMA EVALUATION



VISUAL EVALUATION



AROMA SPECIFICATION

grass, cedar, fruity

GENETIC ORIGIN

Cross between Elsasser F and 8685-014 M. Genetic composition is 1/2 Elsasser 5/32 Brewer's Gold, 1/8 Northern Brewer, 1/16 Bullion, 1/32 Early Green, 1/32 German Aroma hop, 1/64 East Kent Golding, 1/128 Bavarian and 9/128 unknown.

HOPS HOTLINE
800.339.8710

AGRONOMIC ASPECTS

GROWING

Yield (lbs/acre)	2,300
Maturity	Medium Early
Main Growing Country	USA
Acreage (ha)	60

RESISTANCE AGAINST DISEASES

Downy mildew	Susceptible
Powdery mildew	Susceptible

CHEMICAL INGREDIENTS

BITTER COMPONENTS

Alpha-Acid %	3.3 - 9.7
Beta-Acid %	5.4 - 9.5
Co-Humulone % rel.	11 - 13
Hard Resins : Alpha-Acid	0.22 - 0.50

POLYPHENOLS

Xanthohumol (EBC 7.7)	0.2 - 0.3
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AROMA COMPONENTS

Total Oils (ml/100g)	0.7 - 1.6
Beta-Caryophyllene: Humulene	0.28
Farnesene % of total Oil	0.00 - 1.00