

CRYSTAL

VARIETY INFORMATION



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Genetic Origin

A tetraploid Hallertau Mittelfrueh x (Cascade x USDA 65009-64034M). Half-sister of Mt. Hood, Liberty and Ultra.

Agronomic Aspects

Growing

Classification	Aroma
Yield (kg/ha)	2,100 - 2,500
Maturity	Medium to Late
Main growing country	USA
Acreage (ha)	300

Resistance against Diseases

Downy mildew	Susceptible
Powdery mildew	Susceptible

Chemical Ingredients

Bitter Components

Alpha acid %	2.5 - 4.0
Beta acid %	4.0 - 6.5
Cohumulone % rel.	19 - 23

Polyphenoles

Xanthohumol	0.1 - 0.3
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Aroma Components

Total oils (ml/100g)	0.8 - 1.8
Beta-caryophyllene: Humulene	0.29
Farnesene % of total oil	0.0 - 1.0
Linalool % of total oil	0.6 - 0.8
Linalool : Alpha acid	0.20 - 0.24

Aroma Evaluation (Smell of Raw Hops, 0-5)

Aroma Specification	grass, pine, citrusy				
Fruity					
Floral					
Citrusy	■				
Spicy	■	■			
Earthy / resinous	■	■	■		
Herbal	■	■	■	■	
Sugar-like					

Substitutes

Brewhouse	Dry Hopping
Mount Hood, Hallertauer Mittelfrueh, Strisselspalter	Mount Hood, Hallertauer Mittelfrueh, Strisselspalter

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