

# HERKULES

## VARIETY INFORMATION



[www.hopsteiner.com](http://www.hopsteiner.com)

### Genetic Origin

A German high alpha cross variety, bred in Huell.

### Agronomic Aspects

#### Growing

Classification	High Alpha
Yield (kg/ha)	2,500 - 2,700
Maturity	Very Late
Main growing country	Germany
Acreage (ha)	5,797

#### Resistance against Diseases

Wilt diseases	Resistant
Downy mildew	Susceptible
Powdery mildew	Susceptible

### Chemical Ingredients

#### Bitter Components

Alpha acid %	13.0 - 17.0
Beta acid %	4.0 - 5.5
Cohumulone % rel.	31 - 38
Hard resins : alpha acid	0.14 - 0.24

#### Polyphenoles

Total polyphenoles	3.5
Xanthohumol	0.6 - 0.8

#### Aroma Components

Total oils (ml/100g)	1.4 - 2.4
Beta-caryophyllene: Humulene	0.28 - 0.30
Farnesene % of total oil	0.0 - 1.0
Linalool % of total oil	0.3 - 0.8
Linalool : Alpha acid	0.02 - 0.05

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

Aroma Specification	pepper, spicy, resinous, orange				
Fruity	■	■	■	■	■
Floral	■	■	■	■	■
Citrusy	■	■	■	■	■
Spicy	■	■	■	■	■
Earthy / resinous	■	■	■	■	■
Herbal	■	■	■	■	■
Sugar-like	■	■	■	■	■

### Substitutes

Brewhouse	Dry Hopping
Hallertauer Taurus, Hallertauer Magnum, Hallertauer Merkur	

*Simon H. Steiner, Hopfen, GmbH*

Auhofstraße 18 | D-84048 Mainburg, Germany  
Tel +49 (0) 87 51-86 05-0 | Fax +49 (0) 87 51-86 05-80  
E-mail [info@hopsteiner.de](mailto:info@hopsteiner.de)

*S.S. Steiner, Inc.*

655 Madison Avenue, New York, N.Y., 10065, USA  
Tel +1 212 838-8900 | Fax +1 212 593-4238  
E-mail [sales@hopsteiner.com](mailto:sales@hopsteiner.com)

*Steiner Hops Limited*

319 A High Street, Epping, Essex CM16 4DA, England  
Tel +44 (0) 1992 572 331 | Fax +44 (0) 1992 573 780  
E-mail [enquiries@hopsteiner.co.uk](mailto:enquiries@hopsteiner.co.uk)

*Steiner Asia*

Hopsteiner Trading (Zhuhai) Co., Ltd.  
Suite 15 C, Jiu Chang Building, No. 8, Hai Zhou Road, Ji Da District,  
Zhuhai, Guangdong, China 519015  
Tel +86 756 322-3340 | Fax +86 756 322-3345  
E-mail [info@hopsteiner.com.cn](mailto:info@hopsteiner.com.cn)

**Hopsteiner**

COMMITTED TO THE BREWER