

HALLERTAUER MITTELFRUEH

VARIETY INFORMATION



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Genetic Origin	
A landrace variety originating in Germany.	

Agronomic Aspects

Growing	
Classification	Aroma
Yield (kg/ha)	1,050 - 1,300
Maturity	Early
Main growing country	Germany
Acreage (ha)	730
Resistance against Diseases	
Wilt diseases	Susceptible
Downy mildew	Susceptible
Powdery mildew	Tolerant
Aphid	Susceptible

Chemical Ingredients

Bitter Components	
Alpha acid %	3.0 - 5.5
Beta acid %	3.0 - 5.0
Cohumulone % rel.	18 - 28
Hard resins : alpha acid	0.23
Polyphenoles	
Total polyphenoles	4.6
Xanthohumol	0.2 - 0.3
Aroma Components	
Total oils (ml/100g)	0.7 - 1.3
Beta-caryophyllene: Humulene	0.29
Linalool % of total oil	0.7 - 1.1
Linalool : Alpha acid	0.23 - 0.20

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

Aroma Specification	hoppy, grassy, tea, slight citrusy				
Fruity	1	1	1	1	1
Floral	1	1	1	1	1
Citrusy	1	1	1	1	1
Spicy	1	1	1	1	1
Earthy / resinous	1	1	1	1	1
Herbal	1	1	1	1	1
Sugar-like	1	1	1	1	1

Substitutes

Brewhouse	Dry Hopping
Hallertauer Tradition	Saphir

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

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

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

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



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