

HALLERTAUER MITTELFRUEHER

VARIETY INFORMATION



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Gentic 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)	746
Resistance against Diseases	
Wilt diseases	Susceptible
Downy mildew	Susceptible
Powdery mildew	Tolerant
Aphid	Susceptible

Chemical Ingredients	
Bitter Components	
Alpha-Acid %	3 - 5.5
Beta-Acid %	3 - 5
Co-Humulone % rel.	18 - 28
Hard Resins : Alpha-Acid	0.23 - 1.05
Polyphenoles	
Total Polyphenoles	4.6
Xanthohumol (EBC 7.7)	0.2 - 0.3
Aroma Components	
Total Oils (ml/100g)	0.7 - 1.3
Beta-Caryophyllen: Humulene	0.29 - 0.3
Farnesen % of total Oil	< 1
Linalool % of total Oil	0.7 - 1.1
Linalool: Alpha-Acid	0.2 - 0.23

Aroma Evaluation (Smell of Raw Hops, 0-5)					
Aroma Specification	hoppy, grassy, tea, slight citrusy				
Fruity					
Floral					
Citrusy					
Spicy					
Earthy / Resinous					
Herbal					
Sugar-like					

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