

Vanguard

USA

Vanguard was the last of the varieties bred from Hallertau varieties to be released from the USDA breeding program. It is a diploid variety and has a reputation of having a very close chemistry and aroma to Hallertau Mittelfrüh.

Cognac
Celeriac
Mate tea
Liquorice
Hay



Analytical values

Growing Area	USA
Lineage	Cross between USDA accessions 21285 (a Hallertau Mittelfrüh daughter) and 64037 M
α -acids*	3.0 - 6.0 %
β -acids	5.0 - 7.0 %
Total Polyphenols	no data
Total oils	0.6 - 1.2 ml/100g
Myrcene	20.0 - 25.0 % of total
Linalool	no data

The analytical values are typical for the variety at the time of harvest, but may vary according to crop year, growing region, grower and degree of ageing.

*The alpha content is determined by means of spectrophotometric analyses.