



Marco Polo

China
High Alpha Hop

Marco Polo is a CTZ-type (Columbus, Tomahawk, Zeus) grown and marketed in China. It makes up about 8% of China's growing acreage.

Pedigree	Columbus
Aroma	Pungent
Alpha Acids*	12.0 - 13.0 %
Beta Acids	4.5 - 5.5 %
Cohumulone	30 - 35 % of alpha acids
Total Oil	1.1 ml/100g
Myrcene	40 - 50 % of total oil
Humulene	15 - 25 % of total oil
Caryophyllene	8 - 12 % of total oil
Farnesene	< 1 % of total oil

* Alpha acids are determined by conductometric titration (EBC 7.4) in Europe; by spectrophotometric (ASBC Hops-6) in USA