

## SUMMARY

COUNCIL REGULATION (EC) No 510/2006

Application for registration according to Article 5 and Article 17(2)

“ŽATECKÝ CHMEL”

EC No: CZ/PDO/005/0402/19.10.2004

PDO ( X ) PGI ( )

This summary has been drawn up for information only. For full details, interested parties are invited to consult the full version of the product specification obtainable from the national authorities indicated in section 1 or from the European Commission<sup>1</sup>.

### 1. RESPONSIBLE DEPARTMENT IN THE MEMBER STATE:

Name: Úřad průmyslového vlastnictví  
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### 2. GROUP:

Name: Svaz pěstitelů chmele České republiky  
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Tel.: 00420 415 733 401  
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Composition: Producers/processors ( X ) mixed ( )

### 3. TYPE OF PRODUCT:

Class 1.8 – hops

### 4. SPECIFICATION (SUMMARY OF REQUIREMENTS UNDER ARTICLE 4(2))

#### 4.1 Name:

“Žatecký chmel”

#### 4.2 Description:

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<sup>1</sup> European Commission, Directorate-General for Agriculture and Rural Development, Agricultural Product Quality Policy, B-1049 Brussels.

A specific property of “Žatecký chmel” is the appearance of the cone (moderately to elongated ovoid, 100 cones weighing 13-17 g; strig fine, regular, 12-16 mm in length), the delicate hoppy aroma and the golden colour of the lupulin. Characteristic features of “Žatecký chmel” are the red colour of the bine, the fine strig, a low myrcene content and a balanced alpha and beta acid content. Typical of the composition of the hop resins is a relatively low alpha-bitter acid content of 2.5 - 5.5%. The beta-bitter acid content is higher than the alpha-bitter acid content, the ratio between them most often being 0.60 – 0.80. The myrcene content is 25 - 40%. Another characteristic feature is the presence of a large amount of beta-farnesene (14-20%), which in other hops is present only in very small amounts. The general character of the fragrance of “Žatecký chmel” is determined by the ratio between all the individual constituents of the hop oils. “Žatecký chmel” hops are semi-early. They are supplied to the market pressed or granulated.

#### **4.3 Geographical area:**

“Žatecký chmel” hops are grown in what is termed the Žatec hop-growing area. This comprises cadastral areas in the districts of Louny, Rakovník, Chomutov, Kladno, Plzeň-sever and Rokycany. Further details are provided in the specification.

#### **4.4 Proof of origin:**

In the Czech Republic, hops are subject to certification which is governed both by Act No 97/1996 Coll. on the protection of hops and by Council Regulation (EC) No 1952/2005, Commission Regulation (EEC) No 1784/77 and Commission Regulation (EEC) No 890/78. The body authorised to certify hops in the Czech Republic is ÚKZÚZ (Central Institute for Supervision and Testing in Agriculture, hereinafter “Institute”).

Proof of origin is guaranteed by a procedure which is laid down by law. Producers weigh the hops produced, duly label them, apply a seal and issue a declaration as to the number and weight of the labelled packages of hops by cadastral area and variety of hops. The Institute carries out verification of the labelled hops and hop products and issues a certificate, and ensures monitoring of compliance with the requirements laid down in the Act on the protection of hops and in the European Community legislation. The Institute also keeps records of hop gardens and hop growers.

The State Agricultural and Food Inspection Authority [*Státní zemědělská a potravinářská inspekce*] conducts checks on the specifications and issues decisions in conjunction with the Institute.

#### **4.5 Method of production:**

“Žatecký chmel” hops are grown on hop-poles in the Žatec hop-growing area. The springtime work begins in April with cutting and wiring, followed by training, cultivation and the application of chemical protection. During the growing period, a number of spraying operations are carried out in order to control pests and diseases. The hops are harvested in the second half of August and early September. The hops are processed into pressed or granulated hops.

The hop-poles are constructed of wooden (and in some cases concrete) posts. Wire is also used, or steel rope in the case of new hop-poles. The hop-poles are about 7 metres high (optimum height for hops grown in this area). One hectare of hop garden contains 2500-3500 hop plants, depending on planting density (determined by farming techniques, the growth properties of the plants and crop structure optimisation). Hops are a perennial plant that remains on the same site for up to 20 years. Only female plants are grown for production purposes in a hop garden. The presence of male plants is undesirable in terms of its effects on the quality of the hops.

“Žatecký chmel” hops have been grown in their traditional area for more than 1000 years. Only the following clones may be referred to as “Žatecký chmel”: Lučan (registered 1941), Blato (1952), Osvaldův klon 31 (1952), Osvaldův klon 72 (1952), Osvaldův klon 114 (1952), Siřem (1969), Zlatan (1976), Podlešák (1989) and Blšanka (1993).

#### **4.6 Link:**

It is the specific natural conditions in the Žatec hop-growing area that provide the basis for the uniqueness of “Žatecký chmel” (cf. paragraph 4.2). This area is protected to the north-west by the Ore Mountains, the Doupov Hills and the Bohemian uplands, which produce a rain shadow. The total annual rainfall in this area is therefore only about 450 mm. The timing of the rainfall is, however, favourable to the development of the hops (average rainfall during the growing period is about 260 mm). The average annual temperature is 8-9°C (but 14-16°C during the growing period). The quality of the hops is determined not only by the climatic conditions but also by the area’s soil. This consists mainly of Permian red-bed soils, but there are also lighter sandy marl soils. The growth and development of the hops is also influenced by the situation of the hop gardens, which is determined in particular by the altitude (200-500 metres above sea level) and the position within the lie of the land, the gradient and exposure to the different points of the compass. The hop gardens are located in particular in broad, open valleys with a free airflow which are sufficiently sheltered from strong west and north winds. The hops would not achieve such quality or yields in other areas, where these conditions do not exist. The environment has an influence in particular on the content and growth of the hops. The conditions described above (combination of average rainfall, temperatures, soil profiles, altitude and light) are unique to the Žatec hop-growing area. Other hop-growing areas in the world will always differ in respect of certain of the basic conditions (e.g. higher rainfall, higher average temperatures, shorter average length of day/daylight during the growing period).

#### **4.7 Inspection body:**

Name: Státní zemědělská a potravinářská inspekce, inspektorát v Ústí nad Labem  
Address: Masarykova 19/275, 403 40 Ústí nad Labem, ČR  
Tel.: +420 475 651 224  
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Name: Ústřední kontrolní a zkušební ústav zemědělský, odbor trvalých kultur Žatec  
Address: Chmelařské náměstí 1612, CZ-438 43 Žatec, ČR  
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The final decision rests with the State Agricultural and Food Inspection Authority.

#### **4.8 Labelling:**

The inscription “ŽATECKÝ CHMEL” is affixed to every outer package.

#### **4.9 National requirements: —**