

Pils Czeski

- Gravity **10.7 BLG**
- ABV **4.3 %**
- IBU **20**
- SRM **7.1**
- Style **Bohemian Pilsener**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **15.9 liter(s)**

Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9 liter(s)**
- Total mash volume **12 liter(s)**

Steps

- Temp **50 C**, Time **10 min**
- Temp **62 C**, Time **20 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **9 liter(s)** of strike water to **55C**
- Add grains
- Keep mash **10 min** at **50C**
- Keep mash **20 min** at **62C**
- Keep mash **40 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **9.9 liter(s)** of **76C** water or to achieve **15.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2 kg (66.7%)	80 %	4
Grain	Strzegom Karmel 30	1 kg (33.3%)	75 %	30

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	15 g	45 min	6.5 %
Boil	Saaz (Czech Republic)	5 g	25 min	2.9 %
Aroma (end of boil)	Saaz (Czech Republic)	5 g	5 min	2.9 %

Yeasts

Name	Type	Form	Amount	Laboratory
Saflager S-23	Lager	Dry	10 g	Fermentis Division of S.I.Lesaffre