

Pilsner Urrquell

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **38**
- SRM **4.8**
- Style **Bohemian Pilsener**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.2 liter(s)**
- Total mash volume **21.6 liter(s)**

Steps

- Temp **64 C**, Time **25 min**
- Temp **72 C**, Time **45 min**

Mash step by step

- Heat up **16.2 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **25 min** at **64C**
- Keep mash **45 min** at **72C**
- Sparge using **14.5 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	4.5 kg (83.3%)	80 %	4
Grain	Strzegom Wiedeński	0.5 kg (9.3%)	79 %	10
Grain	Monachijski	0.2 kg (3.7%)	80 %	16
Grain	Strzegom Karmel 30	0.2 kg (3.7%)	75 %	30

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	vital	50 g	20 min	12 %

Extras

Type	Name	Amount	Use for	Time
Finning	mech irlandzki	6 g	Boil	15 min