

Trawnicki Lager

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **25**
- SRM **5.4**
- 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 **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **7.5 liter(s)**
- Total mash volume **10.5 liter(s)**

Steps

- Temp **51 C**, Time **20 min**
- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **40 min**

Mash step by step

- Heat up **7.5 liter(s)** of strike water to **57.2C**
- Add grains
- Keep mash **20 min** at **51C**
- Keep mash **30 min** at **62C**
- Keep mash **40 min** at **72C**
- Sparge using **10.7 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2 kg (66.7%)	80 %	4
Grain	Strzegom Monachijski typ I	1 kg (33.3%)	79 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	30 g	30 min	4 %
Aroma (end of boil)	Lublin (Lubelski)	30 g	10 min	4 %

Yeasts

Name	Type	Form	Amount	Laboratory
Saflager S-23	Lager	Slant	500 ml	Fermentis