

SHSP

- Gravity **12.9 BLG**
- ABV ---
- IBU **39**
- SRM **4.7**
- Style **Bohemian Pilsener**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **33.1 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.3 liter(s)**
- Total mash volume **24.8 liter(s)**

Steps

- Temp **54 C**, Time **15 min**
- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **76 C**, Time **0 min**

Mash step by step

- Heat up **19.3 liter(s)** of strike water to **58.8C**
- Add grains
- Keep mash **15 min** at **54C**
- Keep mash **60 min** at **65C**
- Keep mash **15 min** at **72C**
- Keep mash **0 min** at **76C**
- Sparge using **19.3 liter(s)** of **76C** water or to achieve **33.1 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	4.5 kg (81.8%)	80 %	4
Grain	Strzegom Wiedeński	1 kg (18.2%)	79 %	10

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	15 g	90 min	13.5 %
Boil	Magnum	20 g	15 min	13.5 %
Boil	Magnum	20 g	5 min	13.5 %
Dry Hop	Magnum	40 g	7 day(s)	13.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Saflager W 34/70	Lager	Dry	11.5 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
------	------	--------	---------	------

Fining	Mech irlandzki	5 g	Boil	10 min
--------	----------------	-----	------	--------