

Polish Pale Ale

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **33**
- SRM **5.2**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **8 liter(s)**
- Trub loss **5 %**
- Size with trub loss **8.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **10.1 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **6.9 liter(s)**
- Total mash volume **8.9 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up **6.9 liter(s)** of strike water to **74.1C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **72C**
- Keep mash **1 min** at **76C**
- Sparge using **5.3 liter(s)** of **76C** water or to achieve **10.1 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	1.6 kg (76.9%)	80 %	4
Grain	Strzegom Monachijski typ I	0.4 kg (19.2%)	79 %	16
Grain	Karmelowy Jasny 30EBC	0.08 kg (3.8%)	75 %	30

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	8 g	50 min	13 %
Boil	Lublin (Lubelski)	12 g	10 min	4 %
Boil	Sybilla	8 g	5 min	3.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	6 g	Fermentis