

Polskie Ale

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **24**
- SRM **5.2**
- Style **Blonde Ale**

Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 liter(s)**

Mash information

- Mash efficiency **90 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.1 liter(s)**
- Total mash volume **18.8 liter(s)**

Steps

- Temp **65 C**, Time **60 min**

Mash step by step

- Heat up **14.1 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Sparge using **21 liter(s)** of **76C** water or to achieve **30.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	4 kg (85.1%)	81 %	4
Grain	Pszeniczny	0.5 kg (10.6%)	85 %	4
Grain	Karmelowy Ciemny	0.2 kg (4.3%)	80 %	150

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	20 g	60 min	8.6 %
Aroma (end of boil)	Sybilla	30 g	30 min	3.5 %
Aroma (end of boil)	Sybilla	20 g	0 min	3.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Slant	120 ml	Fermentis