

#31 Polish Pale R.ale

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **42**
- SRM **3.6**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **6 liter(s) / kg**
- Mash size **36 liter(s)**
- Total mash volume **42 liter(s)**

Steps

- Temp **62 C**, Time **50 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **36 liter(s)** of strike water to **65.5C**
- Add grains
- Keep mash **50 min** at **62C**
- Keep mash **10 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **1.7 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	5 kg (83.3%)	81 %	4
Grain	Pszeniczny	1 kg (16.7%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Admiral	20 g	60 min	14.3 %
Boil	Lomik	15 g	20 min	3.8 %
Boil	Lublin (Lubelski)	15 g	20 min	4 %
Boil	Lomik	50 g	10 min	3.8 %
Boil	Lublin (Lubelski)	35 g	10 min	4 %

Yeasts

Name	Type	Form	Amount	Laboratory
Gęstwa US-05	Ale	Slant	100 ml	---

Extras

Type	Name	Amount	Use for	Time
Fining	Tabletka Whirllock	3 g	Boil	10 min

Spice	Trawa cytrynowa	10 g	Boil	10 min
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Notes

- Zacieranie:
64 -> 62°C na 50 minut
próba jodowa pozytywna
72°C na 10 minut
próba jodowa negatywna
78°C - 10 minut

Pomiar przed gotowaniem 1.045 OG
Gotowanie
Chłodzie 17.15 minut
OG końcowe 1.048
Wyszło 24L
Apr 6, 2020, 12:12 AM
- 20.04.2020 - przelanie do wiadra z kranem (z 24L zostało 21.5L) i zlanie do butelek
Apr 20, 2020, 8:09 PM