

Pilsner na beczce grudniowy23

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **49**
- SRM **6.7**
- Style **Bohemian Pilsener**

Batch size

- Expected quantity of finished beer **27 liter(s)**
- Trub loss **3 %**
- Size with trub loss **27.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **33.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

Steps

- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **30 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **21 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **40 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **76C**
- Sparge using **19.5 liter(s)** of **76C** water or to achieve **33.5 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	5 kg (71.4%)	81 %	4
Grain	Monachijski	1 kg (14.3%)	80 %	17
Grain	viking malt red active	1 kg (14.3%)	70 %	40

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	50 g	20 min	7.9 %
Boil	Hallertau Blanc	30 g	30 min	8.4 %
Boil	Saaz (Czech Republic)	30 g	15 min	3.2 %
Boil	Lublin (Lubelski)	100 g	20 min	2 %

Yeasts

Name	Type	Form	Amount	Laboratory
w35	Lager	Dry	11 g	Gozdawa

Extras

Type	Name	Amount	Use for	Time
Fining	mech irlandzki	10 g	Boil	10 min

Notes

- wodka, picie bedzie gradobicie.. zamiast 30g marynka poszło 50g... wyjete po 20 min, reszta chmieli bez zmian\
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