Ważka referent v0.1

- · Gravity 10 BLG
- ABV 4 %
- IBU **17**
- SRM **3**

Batch size

- Expected quantity of finished beer 33 liter(s)
- Trub loss 2 %
- Size with trub loss 34.3 liter(s)
- Boil time 60 min
- Evaporation rate 3 %/h
- Boil size 36.4 liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio 4 liter(s) / kg
- Mash size 22.5 liter(s)
- Total mash volume 28.1 liter(s)

Steps

- Temp 63 C, Time 45 min
 Temp 66 C, Time 20 min
 Temp 72 C, Time 10 min
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up 22.5 liter(s) of strike water to 68.4C
- Add grains
- Keep mash 45 min at 63C
- Keep mash 20 min at 66C
- Keep mash 10 min at 72C
- Keep mash 5 min at 76C
- Sparge using 19.5 liter(s) of 76C water or to achieve 36.4 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	ЕВС
Grain	Pilzneński	5.62 kg <i>(100%)</i>	81 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Progress	10 g	60 min	6.9 %
Boil	Celeia	10 g	60 min	5.3 %
Boil	Mosaic	2.5 g	15 min	11.8 %
Boil	Simcoe	2.5 g	15 min	13.3 %
Boil	Centennial	2.5 g	15 min	9.7 %
Boil	Cascade	2.5 g	15 min	7.1 %
Boil	Mosaic	2.5 g	5 min	11.8 %
Boil	Simcoe	2.5 g	60 min	13.3 %
Boil	Centennial	2.5 g	5 min	10.5 %
Boil	Cascade	2.5 g	5 min	7.1 %
Dry Hop	Mosaic	5 g	7 day(s)	11.8 %
Dry Hop	Simcoe	5 g	7 day(s)	13.3 %

Dry Hop	Centennial	5 g	7 day(s)	10.5 %
Dry Hop	Cascade	5 g	7 day(s)	7.1 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale S-04	Ale	Slant	375 ml	