Apa ciasteczko

- Gravity 11 BLG
- ABV 4.4 %
- IBU **18**
- SRM **5.1**
- Style American Pale Ale

Batch size

- Expected quantity of finished beer 24 liter(s)
- Trub loss 5 %
- Size with trub loss 25.2 liter(s)
- · Boil time 90 min
- Evaporation rate 10 %/h
- Boil size 31.7 liter(s)

Mash information

- Mash efficiency **75** %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 15.8 liter(s)
- Total mash volume 21 liter(s)

Steps

• Temp 65 C, Time 120 min

Mash step by step

- Heat up 15.8 liter(s) of strike water to 72.5C
- Add grains
- Keep mash 120 min at 65C
- Sparge using 21.2 liter(s) of 76C water or to achieve 31.7 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	5 kg <i>(95.2%)</i>	80 %	7
Grain	Coockie	0.25 kg <i>(4.8%)</i>	80 %	40

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	15 g	90 min	11.5 %
Dry Hop	Marynka	10 g	7 day(s)	8.7 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Safale