Polish ALE

- Gravity 13.1 BLG
- ABV ----
- IBU **37**
- SRM 4.3
- Style American Pale Ale

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss 5 %
- Size with trub loss 21 liter(s)
- Boil time 60 min
- Evaporation rate 8 %/h
- Boil size 23.8 liter(s)

Mash information

- Mash efficiency **75** %
- Liquor-to-grist ratio 3 liter(s) / kg Mash size 15 liter(s)
- Total mash volume 20 liter(s)

Steps

- Temp 68 C, Time 60 min
 Temp 76 C, Time 0 min

Mash step by step

- Heat up 15 liter(s) of strike water to 76C
- Add grains
- Keep mash 60 min at 68C
- Keep mash 0 min at 76C
- Sparge using 13.8 liter(s) of 76C water or to achieve 23.8 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	ЕВС
Grain	Viking Pale Ale malt	5 kg <i>(100%)</i>	80 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Puławski	25 g	60 min	8.9 %
Aroma (end of boil)	Puławski	25 g	15 min	8.9 %

Yeasts

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