proste ale

- · Gravity 11 BLG
- ABV ----
- IBU **38**
- SRM **3.2**
- Style American Pale Ale

Batch size

- Expected quantity of finished beer 22 liter(s)
- Trub loss 5 %
- Size with trub loss 24.9 liter(s)
- Boil time 60 min
- Evaporation rate 8 %/h
- Boil size 29.3 liter(s)

Mash information

- Mash efficiency **85** %
- Liquor-to-grist ratio 3.5 liter(s) / kg Mash size 14.7 liter(s)
- Total mash volume 18.9 liter(s)

Steps

- Temp 68 C, Time 60 min
 Temp 76 C, Time 10 min

Mash step by step

- Heat up 14.7 liter(s) of strike water to 74.9C
- Add grains
- Keep mash 60 min at 68C
- Keep mash 10 min at 76C
- Sparge using 18.8 liter(s) of 76C water or to achieve 29.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Słód pilzneński Malteurop	4 kg (89.9%)	80 %	5
Sugar	cukier	0.25 kg <i>(5.6%)</i>	100 %	0
Grain	płatki jęczmienne	0.2 kg <i>(4.5%)</i>	65 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
First Wort	lunga	20 g	60 min	9.5 %
Boil	Citra	25 g	7 min	13.3 %
Boil	sabro	20 g	7 min	15.5 %
Aroma (end of boil)	Citra	25 g	0 min	13.3 %
Aroma (end of boil)	sabro	20 g	0 min	15.5 %
Dry Hop	sabro	30 g	3 day(s)	15.5 %
Dry Hop	Citra	30 g	3 day(s)	13.2 %

Yeasts

Name	Туре	Form	Amount	Laboratory
WLP090 - San Diego Super Yeast	Ale	Liquid	1500 ml	White Labs

Extras

Туре	Name	Amount	Use for	Time
Fining	Whirlfloc T	1 g	Boil	10 min