SESSION SINGLE HOP PŁ 160 Polish Hops IPA 13 BLG #70

- Gravity 12.1 BLG
- ABV 4.9 %
- IBU **32**
- SRM 3.6
- Style Specialty Beer

Batch size

- Expected quantity of finished beer 12 liter(s)
- Trub loss 10 %
- Size with trub loss 13.2 liter(s)
- · Boil time 60 min
- Evaporation rate 15 %/h
- Boil size 17.3 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 9.3 liter(s)
- Total mash volume 12.4 liter(s)

Steps

- Temp 65 C, Time 40 min
 Temp 72 C, Time 15 min
- Temp 78 C, Time 5 min

Mash step by step

- Heat up 9.3 liter(s) of strike water to 72.5C
- Add grains
- Keep mash 40 min at 65C
- Keep mash 15 min at 72C
- Keep mash 5 min at 78C
- Sparge using 11.1 liter(s) of 76C water or to achieve 17.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	3 kg (96.8%)	81 %	4
Grain	Weyermann - Carapils	0.1 kg <i>(3.2%)</i>	78 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	PŁ 160 Polish Hops	70 g	30 min	3.5 %
Aroma (end of boil)	PŁ 160 Polish Hops	50 g	0 min	3.5 %
Dry Hop	PŁ 160 Polish Hops	100 g	5 day(s)	3.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale US-05	Ale	Dry	23 g	Fermentis