PoPęd

- Gravity 14.7 BLG
- ABV 6.1 %
- IBU **69**
- SRM **6.9**
- Style American IPA

Batch size

- Expected quantity of finished beer 30 liter(s)
- Trub loss 5 %
- Size with trub loss 31.5 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 36.3 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 24.9 liter(s)
- Total mash volume 33.2 liter(s)

Steps

- Temp **69 C**, Time **60 min** Temp **75 C**, Time **1 min**
- Temp 72 C, Time 10 min

Mash step by step

- Heat up 24.9 liter(s) of strike water to 77.2C
- Add grains
- Keep mash 60 min at 69C
- Keep mash 10 min at 72C
- Keep mash 1 min at 75C
- Sparge using 19.7 liter(s) of 76C water or to achieve 36.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	4 kg <i>(47.1%)</i>	80 %	4
Grain	Strzegom Pale Ale	4 kg <i>(47.1%)</i>	79 %	6
Grain	Strzegom Karmel 150	0.3 kg <i>(3.5%)</i>	75 %	150
Sugar	Candi Sugar, Clear	0.2 kg (2.4%)	78.3 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Amarillo	50 g	60 min	9.5 %
Aroma (end of boil)	Citra	10 g	10 min	12 %
Dry Hop	Centennial	25 g	9 day(s)	10.5 %
Boil	Centennial	25 g	60 min	10.5 %
Boil	Magnum	15 g	60 min	13.5 %
Dry Hop	Amarillo	20 g	9 day(s)	9.5 %
Dry Hop	Citra	10 g	9 day(s)	12 %

Yeasts

Name Type	Form	Amount	Laboratory
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Wyeast - American	Ale	Liquid	125 ml	Wyeast Labs
Ale				

Extras

Туре	Name	Amount	Use for	Time
Flavor	syrop z pędów sosny	1500 g	Secondary	9 day(s)