English IPA

- · Gravity 14 BLG
- ABV 5.8 %
- IBU **41**
- SRM **11.7**
- Style English IPA

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 5 %/h
- Boil size 24.1 liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 16.1 liter(s)
- Total mash volume 21.4 liter(s)

Steps

- Temp **63 C**, Time **30 min** Temp **72 C**, Time **30 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up 16.1 liter(s) of strike water to 70.1C
- Add grains
- Keep mash 30 min at 63C
- Keep mash 30 min at 72C
- Keep mash 1 min at 76C
- Sparge using 13.4 liter(s) of 76C water or to achieve 24.1 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Castle Pale Ale	3 kg <i>(56.1%)</i>	80 %	8
Grain	Strzegom Monachijski typ I	2 kg (37.4%)	79 %	16
Grain	Caraaroma	0.2 kg <i>(3.7%)</i>	78 %	400
Grain	Carahell	0.15 kg (2.8%)	77 %	26

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Target	20 g	60 min	10.5 %
Boil	Bramling	20 g	15 min	6 %
Boil	Fuggles	15 g	15 min	4.5 %
Boil	Fuggles	10 g	5 min	4.5 %
Boil	Bramling	15 g	5 min	6 %
Whirlpool	Fuggles	15 g	30 min	4.5 %
Whirlpool	Bramling	15 g	30 min	6 %

Yeasts

Name Type	Form	Amount	Laboratory
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Safale S-04	Ale	Slant	100 ml	Safale

Extras

Туре	Name	Amount	Use for	Time
Fining	whirflock	5 g	Boil	15 min