Black Ipa

- Gravity 14.6 BLG
- ABV ---
- IBU **92**
- SRM 40
- Style Black IPA

Batch size

- Expected quantity of finished beer 24 liter(s)
- Trub loss 5 %
- Size with trub loss 25.2 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 30.4 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 19.8 liter(s)
- Total mash volume 26.4 liter(s)

Steps

- Temp **66 C**, Time **60 min** Temp **72 C**, Time **10 min**
- Temp 76 C, Time 5 min

Mash step by step

- Heat up 19.8 liter(s) of strike water to 73.7C
- Add grains
- Keep mash 60 min at 66C
- Keep mash 10 min at 72C
- Keep mash 5 min at 76C
- Sparge using 17.2 liter(s) of 76C water or to achieve 30.4 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	5 kg <i>(75.8%)</i>	79 %	6
Grain	Carafa II	0.7 kg <i>(10.6%)</i>	70 %	812
Grain	Biscuit Malt	0.2 kg <i>(3%)</i>	79 %	45
Grain	Strzegom Karmel 150	0.5 kg <i>(7.6%)</i>	75 %	150
Grain	Carahell	0.2 kg <i>(3%)</i>	77 %	26

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Summit	50 g	60 min	17 %
Aroma (end of boil)	Cascade	50 g	15 min	6 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale S-05	Ale	Dry	11 g	Safale

Extras

Type	Name	Amount	Use for	Time
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