Black IPA

- Gravity 16.7 BLG
- ABV ---
- IBU **76**
- SRM **39.1**
- Style Black IPA

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss 25 %
- Size with trub loss 25 liter(s)
- Boil time 70 min
- Evaporation rate 15 %/h
- Boil size 29.4 liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio 3 liter(s) / kg Mash size 20.7 liter(s)
- Total mash volume 27.6 liter(s)

Steps

- Temp **65 C**, Time **30 min** Temp **72 C**, Time **30 min**
- Temp 78 C, Time 10 min

Mash step by step

- Heat up 20.7 liter(s) of strike water to 72.5C
- Add grains
- Keep mash 30 min at 65C
- Keep mash 30 min at 72C
- Keep mash 10 min at 78C
- Sparge using 15.6 liter(s) of 76C water or to achieve 29.4 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	3 kg <i>(43.5%)</i>	85 %	7
Grain	Weyermann - Carafa III	0.25 kg <i>(3.6%)</i>	70 %	1034
Grain	Weyermann - Chocolate Wheat	0.25 kg <i>(3.6%)</i>	74 %	788
Grain	Weyermann - Carapils Malt	0.7 kg (10.1%)	74 %	3
Grain	Weyermann - Caramunich Malt	0.7 kg (10.1%)	71.7 %	110
Grain	Weyermann - Wiedeński	2 kg (29%)	79 %	10

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	30 g	75 min	15.5 %
Boil	Citra	15 g	60 min	13.5 %
Boil	Citra	40 g	10 min	13.5 %
Aroma (end of boil)	Amarillo	30 g	0 min	9.5 %

Aroma (end of boil)	Citra	30 g	0 min	13.5 %
Dry Hop	Citra	45 g	4 day(s)	13.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Wyeast - Northwest Ale	Ale	Liquid	125 ml	Wyeast Labs

Notes

• Słody palone do 72 stopni

Dokupić Safale - 05 US (na wszelki!) Dec 14, 2015, 9:23 PM