- Gravity 18.7 BLG
- ABV 8.1 %
- IBU 60
- SRM 5
- Style White 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 10 %/h
- Boil size 25.3 liter(s)

Mash information

- Mash efficiency 85 %
- Liquor-to-grist ratio 3 liter(s) / kg ٠
- Mash size 19.5 liter(s) .
- Total mash volume 26 liter(s)

Steps

- Temp 62 C, Time 20 min
 Temp 73 C, Time 45 min
- Temp 78 C, Time 10 min

Mash step by step

- Heat up 19.5 liter(s) of strike water to 69C
- Add grains
- ٠ Keep mash 20 min at 62C
- Keep mash 45 min at 73C •
- Keep mash 10 min at 78C
- Sparge using 12.3 liter(s) of 76C water or to achieve 25.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Weyermann - Pilsner Malt	3 kg <i>(46.2%)</i>	81 %	5
Grain	Weyermann - Wheat Malt	2 kg <i>(30.8%)</i>	85 %	5
Grain	Weyermann - Rye Malt	1 kg <i>(15.4%)</i>	85 %	7
Grain	Oats, Flaked	0.5 kg <i>(7.7%)</i>	80 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	35 g	30 min	11.7 %
Boil	Amarillo	40 g	25 min	9.6 %
Boil	Centennial	20 g	7 min	11.1 %
Boil	Cascade	25 g	7 min	7.6 %
Dry Hop	Mosaic	20 g	2 day(s)	12 %
Dry Hop	Amarillo	40 g	2 day(s)	9.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
s-04	Ale	Slant	800 ml	ВВ

Extras

Туре	Name	Amount	Use for	Time
Fining	Whirlflock	1 g	Boil	15 min