- Gravity 14.5 BLG
- ABV 6 %
- IBU **76**
- SRM **4.8**
- Style American IPA

Batch size

- Expected quantity of finished beer 16 liter(s)
- Trub loss 5 %
- Size with trub loss 16.8 liter(s)
- Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 20.2 liter(s)

Mash information

- Mash efficiency 70 %
- Liquor-to-grist ratio 3 liter(s) / kg Mash size 15 liter(s)
- Total mash volume 20 liter(s)

Steps

- Temp 66 C, Time 45 min
 Temp 72 C, Time 30 min

Mash step by step

- Heat up 15 liter(s) of strike water to 73.7C
- Add grains
- Keep mash 45 min at 66C
- Keep mash 30 min at 72C
- Sparge using 10.2 liter(s) of 76C water or to achieve 20.2 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (100%)	80 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	20 g	60 min	13 %
Boil	Chinook	25 g	15 min	13 %
Boil	Cascade	50 g	15 min	6 %
Boil	Cascade	20 g	5 min	6 %
Dry Hop	Cascade	30 g	4 day(s)	6 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis