PIWO #3

- Gravity 13.3 BLG
- ABV 5.5 %
- IBU **40**
- SRM 4.3

Batch size

- Expected quantity of finished beer 15 liter(s)
- Trub loss 5 %
- Size with trub loss 15.8 liter(s)
- Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 19 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 12 liter(s)
- Total mash volume 16 liter(s)

Steps

• Temp 66 C, Time 60 min

Mash step by step

- Heat up 12 liter(s) of strike water to 73.7C
- · Add grains
- Keep mash 60 min at 66C
- Sparge using 11 liter(s) of 76C water or to achieve 19 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (100%)	80 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	10 g	45 min	13.3 %
Boil	Simcoe	20 g	15 min	13.3 %
Boil	Sorachi Ace	15 g	5 min	10 %
Dry Hop	Simcoe	20 g	5 day(s)	13.3 %

Yeasts

Name	Туре	Form	Amount	Laboratory
us-05	Ale	Dry	11.5 g	safale