Pas4

- Gravity 13.6 BLG
- ABV 5.6 %
- IBU **24**
- SRM 4.3

Batch size

- Expected quantity of finished beer 23 liter(s)
- Trub loss 5 %
- Size with trub loss 25.3 liter(s)
- Boil time 65 min
- Evaporation rate 10 %/h
- Boil size 28.8 liter(s)

Mash information

- Mash efficiency **75** %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 18 liter(s)
- Total mash volume 24 liter(s)

Steps

- Temp 66 C, Time 60 min
 Temp 74 C, Time 10 min
 Temp 77 C, Time 1 min

Mash step by step

- Heat up 18 liter(s) of strike water to 73.7C
- Add grains
- Keep mash 60 min at 66C
- Keep mash 10 min at 74C
- Keep mash 1 min at 77C
- Sparge using 16.8 liter(s) of 76C water or to achieve 28.8 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.3 kg <i>(55%)</i>	81 %	5
Grain	Viking Wheat Malt	2.7 kg <i>(45%)</i>	82 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Galaxy	5 g	60 min	15.5 %
Aroma (end of boil)	Galaxy	15 g	30 min	15.5 %
Dry Hop	Galaxy	30 g	2 day(s)	15.5 %