- Gravity 30.2 BLG
- ABV ----
- IBU 120
- SRM 10.3
- Style American Barleywine

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss 5 % •
- Size with trub loss 21 liter(s) •
- Boil time 180 min
- Evaporation rate 10 %/h Boil size 29.9 liter(s)
- **Mash information**
 - Mash efficiency 75 %
 - Liquor-to-grist ratio 3 liter(s) / kg ٠
 - Mash size 34.5 liter(s) .
 - Total mash volume 46 liter(s)

Steps

- Temp 64 C, Time 90 min
 Temp 72 C, Time 10 min

Mash step by step

- Heat up 34.5 liter(s) of strike water to 71.3C
- Add grains
- Keep mash 90 min at 64C
- ٠ Keep mash 10 min at 72C
- Sparge using 6.9 liter(s) of 76C water or to achieve 29.9 liter(s) of wort •

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Simpsons - Maris Otter	11.5 kg <i>(100%)</i>	81 %	6

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Zeus	100 g	60 min	15 %
Boil	Zeus	50 g	15 min	15 %
Boil	Cltra	100 g	15 min	13.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Wyeast - American Ale	Ale	Liquid	500 ml	Wyeast Labs