Grünhopfen Helles

- Gravity 12.1 BLG
- ABV 4.9 %
- IBU **17**
- SRM 3.3
- Style Munich Helles

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 80 %
- Liquor-to-grist ratio 3.5 liter(s) / kg
- Mash size 15.7 liter(s)
- Total mash volume 20.2 liter(s)

Steps

- Temp 55 C, Time 10 min
 Temp 63 C, Time 45 min
 Temp 72 C, Time 15 min
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up 15.7 liter(s) of strike water to 60C
- Add grains
- Keep mash 10 min at 55C
- Keep mash 45 min at 63C
- Keep mash 15 min at 72C
- Keep mash 1 min at 78C
- Sparge using 14.1 liter(s) of 76C water or to achieve 25.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilsner Malz Best	4.3 kg (95.6%)	81 %	3
Grain	Carapils Best	0.1 kg <i>(2.2%)</i>	75 %	5
Grain	Carahell Best	0.1 kg (2.2%)	75 %	30

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Perle	10 g	60 min	9.7 %
Boil	Grünhopfen	40 g	15 min	3 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Wyeast - 2206 Bavarian Lager	Lager	Liquid	300 ml	Wyeast Labs

Notes

Nastepna warka min 20 IBU Apr 23, 2022, 12:16 PM