Strong American Pale Ale

- Gravity 14.7 BLG
- ABV 6.1 %
- IBU 24
- SRM 3.8
- Style American Pale Ale

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 19.3 liter(s)
- Total mash volume 24.8 liter(s)

Steps

- Temp 55 C, Time 1 min
 Temp 64 C, Time 45 min
 Temp 72 C, Time 15 min
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up 19.3 liter(s) of strike water to 60C
- Add grains
- Keep mash 1 min at 55C
- Keep mash 45 min at 64C
- Keep mash 15 min at 72C
- Keep mash 1 min at 76C
- Sparge using 11.5 liter(s) of 76C water or to achieve 25.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilsner Malz Best	4.5 kg (81.8%)	81 %	3
Grain	Red X	0.1 kg <i>(1.8%)</i>	%	30
Grain	Wiener Malz Best	0.4 kg <i>(7.3%)</i>	80 %	8
Grain	Oats, Flaked	0.5 kg (9.1%)	80 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Galaxy	3 g	60 min	14.5 %
Whirlpool	Mosaic	25 g	20 min	11.6 %
Whirlpool	Citra	25 g	20 min	13.9 %
Dry Hop	Mosaic	50 g	3 day(s)	11.6 %
Dry Hop	Citra	25 g	3 day(s)	13.9 %
Dry Hop	El Dorado	25 g	3 day(s)	14 %
Dry Hop	Galaxy	50 g	3 day(s)	14.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Wyeast - 1318 London Ale III	Ale	Slant	300 ml	Wyeast Labs

Notes

• 14,5°brix Jul 24, 2024, 8:14 PM