pte

- Gravity 17.7 BLG
- ABV ---
- IBU 107
- SRM **7.8**
- Style Imperial IPA

Batch size

- Expected quantity of finished beer 10 liter(s)
- Trub loss 5 %
- Size with trub loss 11.5 liter(s)
- · Boil time 90 min
- Evaporation rate 10 %/h
- Boil size 14.4 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg Mash size 10.2 liter(s)
- Total mash volume 13.6 liter(s)

Steps

• Temp 66 C, Time 60 min

Mash step by step

- Heat up 10.2 liter(s) of strike water to 73.7C
- Add grains
- Keep mash 60 min at 66C
- Sparge using 7.6 liter(s) of 76C water or to achieve 14.4 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	3.2 kg <i>(94.1%)</i>	85 %	7
Grain	Carahell	0.1 kg <i>(2.9%)</i>	77 %	26
Grain	Weyermann - Carapils	0.1 kg (2.9%)	78 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	10 g	45 min	15.5 %
Boil	Columbus/Tomahawk/Zeus	20 g	60 min	14.6 %
Boil	Simcoe	15 g	30 min	13 %
Boil	Centennial	14 g	0 min	10.5 %
Boil	Simcoe	35 g	0 min	13 %
Dry Hop	Columbus/Tomahawk/Zeus	15 g	12 day(s)	15.5 %
Dry Hop	Centennial	15 g	12 day(s)	10.5 %
Dry Hop	Simcoe	15 g	12 day(s)	13 %
Dry Hop	Columbus/Tomahawk/Zeus	5 g	5 day(s)	15.5 %
Dry Hop	Centennial	5 g	5 day(s)	10.5 %
Dry Hop	Simcoe	5 g	5 day(s)	13 %

Yeasts

Name	Туре	Form	Amount	Laboratory
WLP001 - California Ale Yeast	Ale	Liquid	120 ml	White Labs