1.AIPA

- · Gravity 15 BLG
- ABV ---
- IBU **82**
- SRM **11.9**
- Style American IPA

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss 10 %
- Size with trub loss 22 liter(s)
- Boil time 60 min
- Evaporation rate 15 %/h
- Boil size 25.3 liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio 3 liter(s) / kg Mash size 16.2 liter(s)
- Total mash volume 21.6 liter(s)

Steps

- Temp 67 C, Time 90 min
 Temp 78 C, Time 5 min

Mash step by step

- Heat up 16.2 liter(s) of strike water to 74.8C
- Add grains
- Keep mash 90 min at 67C
- Keep mash 5 min at 78C
 Sparge using 14.5 liter(s) of 76C water or to achieve 25.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pale Ale	4.8 kg (88.9%)	80 %	4
Grain	Fawcett - Crystal	0.4 kg <i>(7.4%)</i>	78 %	150
Grain	Aromatic Malt	0.2 kg <i>(3.7%)</i>	78 %	51

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Bravo	35 g	55 min	15.5 %
Boil	Cascade	20 g	15 min	6 %
Boil	citra	25 g	10 min	13.5 %
Boil	Cascade	25 g	5 min	6 %
Boil	citra	25 g	3 min	13.5 %
Dry Hop	Cascade	15 g	3 day(s)	6 %
Dry Hop	citra	15 g	3 day(s)	13.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Mangrove Jack's M44 US West Coast	Ale	Dry	11 g	Mangrove Jack's

Extras

Туре	Name	Amount	Use for	Time
Fining	mech irlandzki	5 g	Boil	15 min