APA

- Gravity 11.1 BLG
- ABV ---
- IBU **35**
- SRM **5.7**
- Style American Pale Ale

Batch size

- Expected quantity of finished beer 45 liter(s)
- Trub loss 10 %
- Size with trub loss 49.5 liter(s)
- Boil time 75 min
- Evaporation rate 15 %/h
- Boil size 58.8 liter(s)

Mash information

- Mash efficiency 72 %
- Liquor-to-grist ratio 3.5 liter(s) / kg
- Mash size 35 liter(s)
- Total mash volume 45 liter(s)

Steps

- Temp 50 C, Time 10 min
 Temp 65 C, Time 75 min
- Temp 76 C, Time 10 min

Mash step by step

- Heat up 35 liter(s) of strike water to 54.3C
- Add grains
- Keep mash 10 min at 50C
- Keep mash 75 min at 65C
- Keep mash 10 min at 76C
- Sparge using 33.8 liter(s) of 76C water or to achieve 58.8 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Briess - Pilsen Malt	8 kg <i>(80%)</i>	80.5 %	2
Grain	Vienna Malt	1 kg <i>(10%)</i>	78 %	9
Grain	Briess - Carapils Malt	0.5 kg <i>(5%)</i>	74 %	2
Grain	Fawcett - Pale crystal	0.5 kg <i>(5%)</i>	70 %	85

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	25 g	60 min	12 %
Boil	Citra	25 g	30 min	12 %
Boil	Citra	50 g	5 min	12 %
Boil	Amarillo	50 g	0 min	9.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
WLP001 - California Ale Yeast	Ale	Liquid	400 ml	White Labs