Cold APA

- Gravity 13.1 BLG
- ABV 5.3 %
- IBU 38
- SRM 3.6
- Style American Pale Ale

Batch size

- Expected quantity of finished beer 66 liter(s)
- Trub loss 1 %
- Size with trub loss 70 liter(s)
- Boil time 60 min
- Evaporation rate 7 %/h
- Boil size 76.9 liter(s)

Mash information

- Mash efficiency 77 %
- Liquor-to-grist ratio 3 liter(s) / kg Mash size 48 liter(s)
- Total mash volume 64 liter(s)

Steps

- Temp 66 C, Time 60 min
 Temp 78 C, Time 5 min

Mash step by step

- Heat up 48 liter(s) of strike water to 73.7C
- Add grains
- Keep mash 60 min at 66C
- Keep mash 5 min at 78C
- Sparge using 44.9 liter(s) of 76C water or to achieve 76.9 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	12 kg <i>(75%)</i>	82 %	4
Grain	rice flakes	3 kg (18.8%)	78.3 %	2.5
Grain	Chit Malt	1 kg (6.3%)	50 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Whirlpool	CTZ 80C	100 g	30 min	16 %
Whirlpool	CTZ 75C	100 g	20 min	16 %