APA Centennial Amarillo

- Gravity 14 BLG
- ABV 5.8 %
- IBU **44**
- SRM 7.3
- 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 70 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 18 liter(s)
- Total mash volume 24 liter(s)

Steps

- Temp 65 C, Time 60 min
 Temp 75 C, Time 10 min

Mash step by step

- Heat up 18 liter(s) of strike water to 72.5C
- Add grains
- Keep mash 60 min at 65C
- Keep mash 10 min at 75C
- Sparge using 13.3 liter(s) of 76C water or to achieve 25.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5.5 kg <i>(91.7%)</i>	80 %	5
Grain	Weyermann - Carapils	0.25 kg <i>(4.2%)</i>	78 %	4
Grain	Strzegom Karmel 150	0.25 kg <i>(4.2%)</i>	75 %	150

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Centennial	19 g	60 min	10.5 %
Boil	Amarillo	20 g	10 min	9.5 %
Boil	Centennial	20 g	10 min	10.5 %
Boil	Amarillo	20 g	5 min	9.5 %
Boil	Centennial	20 g	5 min	10.5 %
Aroma (end of boil)	Amarillo Hop Stand 15m	30 g	0 min	9.5 %
Aroma (end of boil)	Centennial Hop Stand 15m	30 g	0 min	10.5 %

Yeasts

Name Type	Form	Amount	Laboratory
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