#6Cascade/Amarillo

- · Gravity 13 BLG
- ABV ---
- IBU **47**
- SRM **12**
- Style American Pale Ale

Batch size

- Expected quantity of finished beer 27 liter(s)
- Trub loss 5 %
- Size with trub loss 28.4 liter(s)
- · Boil time 60 min
- Evaporation rate 15 %/h
- Boil size 32.7 liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 18 liter(s)
- Total mash volume 24 liter(s)

Steps

- Temp 65 C, Time 40 min Temp 72 C, Time 20 min
- Temp 76 C, Time 10 min

Mash step by step

- Heat up 18 liter(s) of strike water to 72.5C
- Add grains
- Keep mash 40 min at 65C
- Keep mash 20 min at 72C
- Keep mash 10 min at 76C
- Sparge using 20.7 liter(s) of 76C water or to achieve 32.7 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	5 kg <i>(83.3%)</i>	80 %	7
Grain	Cara crystal	0.3 kg <i>(5%)</i>	78 %	120
Grain	Weyermann Munich	0.7 kg (11.7%)	80 %	65

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade	90 g	60 min	5 %
Boil	Amarillo	30 g	10 min	7.2 %
Boil	Amarillo	30 g	1 min	7.2 %
Dry Hop	Amarillo	40 g	5 day(s)	7.2 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Danstar - Nottingham	Ale	Dry	11 g	Danstar