#6 Single Hop Cascade

- Gravity 15.4 BLG
- ABV 6.5 %
- IBU **47**
- SRM **4.9**
- Style American IPA

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 85 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 16.5 liter(s)
- Total mash volume 22 liter(s)

Steps

- Temp 54 C, Time 10 min
 Temp 64 C, Time 40 min
 Temp 72 C, Time 20 min
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up 16.5 liter(s) of strike water to 59.7C
- Add grains
- Keep mash 10 min at 54C
- · Keep mash 40 min at 64C
- Keep mash 20 min at 72C
- Keep mash 1 min at 78C
- Sparge using 14.3 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 kg <i>(90.9%)</i>	80 %	5
Grain	Strzegom Pszeniczny	0.25 kg <i>(4.5%)</i>	81 %	6
Grain	Karmelowy Jasny 30EBC	0.25 kg <i>(4.5%)</i>	75 %	30

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade	50 g	60 min	7.7 %
Boil	Cascade	20 g	15 min	6.9 %
Boil	Cascade	20 g	5 min	6.9 %
Boil	Cascade	20 g	0 min	6.9 %
Dry Hop	Cascade	30 g	4 day(s)	6.9 %
Dry Hop	Cascade	10 g	2 day(s)	6.9 %

Yeasts

Name Type	Form	Amount	Laboratory
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