yhm

- Gravity 21.8 BLG
- ABV 9.8 %
- IBU **28**
- SRM 9.7
- Style Imperial 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 24.9 liter(s)

Mash information

- Mash efficiency 60 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 33 liter(s)
- Total mash volume 44 liter(s)

Steps

- Temp **63 C**, Time **60 min** Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up 33 liter(s) of strike water to 70.2C
- Add grains
- Keep mash 60 min at 63C
- Keep mash 20 min at 72C
- Keep mash 1 min at 76C
- Sparge using 2.9 liter(s) of 76C water or to achieve 24.9 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	5 kg <i>(45.5%)</i>	81 %	4
Grain	Carared	1 kg (9.1%)	75 %	39
Grain	Briess - Pale Ale Malt	5 kg <i>(45.5%)</i>	80 %	7

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	El Dorado	30 g	60 min	12 %