Pale

- Gravity 12.6 BLG
- ABV ----
- IBU 2
- SRM **5.8**
- Style English IPA

Batch size

- Expected quantity of finished beer 23 liter(s)
- Trub loss 5 %
- Size with trub loss 24.1 liter(s)
- · Boil time 80 min
- Evaporation rate 10 %/h
- Boil size 29.9 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 16.8 liter(s)
- Total mash volume 22.4 liter(s)

Steps

- Temp **63 C**, Time **70 min** Temp **73 C**, Time **5 min**
- Temp 78 C, Time 5 min

Mash step by step

- Heat up 16.8 liter(s) of strike water to 70.2C
- Add grains
- Keep mash 70 min at 63C
- Keep mash 5 min at 73C
- Keep mash 5 min at 78C
- Sparge using 18.7 liter(s) of 76C water or to achieve 29.9 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Weyermann - Bohemian Pilsner Malt	2.5 kg <i>(44.6%)</i>	81 %	4
Grain	Weyermann - Pale Ale Malt	2.5 kg <i>(44.6%)</i>	85 %	7
Grain	Strzegom Monachijski typ I	0.2 kg <i>(3.6%)</i>	79 %	16
Grain	Weyermann - Carared	0.2 kg <i>(3.6%)</i>	75 %	45
Grain	Weyermann - Caraamber	0.2 kg <i>(3.6%)</i>	75 %	65

Hops

Use for	Name	Amount	Time	Alpha acid
Mash	Magnat	30 g	70 min	13.7 %
Mash	Mittelfruh	30 g	20 min	4 %
Aroma (end of boil)	Mittelfruh	30 g	5 min	4 %

Yeasts

Name Type Form Amount Laboratory

Cafala C 04	A.L.	D	11	C - f - l -
Safale S-04	Ale	Dry	1	Safale