

# Hopfest Clone

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- Gravity **9.3 BLG**
- ABV **3.6 %**
- IBU **28**
- SRM **4.3**
- Style **American Pale Ale**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.7 liter(s)**
- Total mash volume **14.2 liter(s)**

## Steps

- Temp **65 C**, Time **60 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **10.7 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **5 min** at **76C**
- Sparge using **20.7 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	3.5 kg (98.3%)	81 %	4
Grain	Strzegom Karmel 300	0.06 kg (1.7%)	70 %	299

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	10 g	30 min	12 %
Boil	Chinook	20 g	20 min	13 %
Dry Hop	Centennial	50 g	2 day(s)	10.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	100 ml	Fermentis