

# Klon PUNK IPA

- Gravity **14.7 BLG**
- ABV **6.1 %**
- IBU **37**
- SRM **5.2**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **10 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **20 %/h**
- Boil size **27.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

## Steps

- Temp **66 C**, Time **60 min**

## Mash step by step

- Heat up **18 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **66C**
- Sparge using **15.7 liter(s)** of **76C** water or to achieve **27.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	6 kg (100%)	79 %	6

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	50 g	12 min	13 %
Boil	Ahtanum	17 g	5 min	5 %
Boil	Nelson Sauvin	17 g	5 min	11 %
Boil	Simcoe	17 g	5 min	13 %
Aroma (end of boil)	Ahtanum	17 g	0 min	5 %
Aroma (end of boil)	Nelson Sauvin	17 g	0 min	11 %
Aroma (end of boil)	Simcoe	17 g	0 min	13 %
Dry Hop	Ahtanum	16 g	4 day(s)	5 %
Dry Hop	Nelson Sauvin	16 g	4 day(s)	11 %
Dry Hop	Simcoe	16 g	4 day(s)	13 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis