

# Kaffir white ipa

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- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **41**
- SRM **3.3**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **12 %**
- Size with trub loss **23.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **29.7 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **14.7 liter(s)**
- Total mash volume **19.1 liter(s)**

## Steps

- Temp **50 C**, Time **20 min**
- Temp **66 C**, Time **70 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **14.7 liter(s)** of strike water to **54.5C**
- Add grains
- Keep mash **20 min** at **50C**
- Keep mash **70 min** at **66C**
- Keep mash **10 min** at **78C**
- Sparge using **19.5 liter(s)** of **76C** water or to achieve **29.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	3.5 kg (70.7%)	80 %	4
Grain	Pszeniczny	0.7 kg (14.1%)	85 %	4
Adjunct	Pszenica niesłodowana	0.5 kg (10.1%)	75 %	3
Grain	Płatki owsiane	0.25 kg (5.1%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	7 g	60 min	13 %
Boil	Citra	30 g	15 min	13.5 %
Boil	Amarillo	35 g	10 min	9.5 %
Dry Hop	Centennial	40 g	7 day(s)	10.5 %
Dry Hop	Galaxy	30 g	7 day(s)	15 %
Dry Hop	Amarillo	20 g	7 day(s)	9.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Wheat	Dry	12 g	Safale

## Extras

Type	Name	Amount	Use for	Time
Spice	kaffir	15 g	Boil	10 min
Spice	kaffir	5 g	Bottling	---
Spice	kardamon	8 g	Boil	10 min
Spice	skorki pomaranczy	20 g	Boil	10 min