

## White IPA v2

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- Gravity **14.3 BLG**
- ABV **5.9 %**
- IBU **63**
- SRM **4.4**
- Style **White IPA**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 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 **65 C**, Time **45 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **18 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **45 min** at **65C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **14.4 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2 kg (33.3%)	80 %	5
Grain	Słód pszeniczny Bestmalz	2.5 kg (41.7%)	82 %	5
Grain	Płatki owsiane	0.5 kg (8.3%)	60 %	3
Grain	Viking Pilsner malt	1 kg (16.7%)	82 %	4
Zabrakło pale ale				

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	40 g	60 min	13 %
Aroma (end of boil)	Chinook	10 g	15 min	13 %
Aroma (end of boil)	Mosaic	25 g	5 min	10 %
Whirlpool	Mosaic	25 g	0 min	10 %
Dry Hop	Mosaic	50 g	3 day(s)	10 %
Dry Hop	Citra	50 g	3 day(s)	12 %

### Yeasts

Name	Type	Form	Amount	Laboratory
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Safale US-05	Ale	Slant	300 ml	Fermentis
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### Extras

Type	Name	Amount	Use for	Time
Water Agent	Gips	4 g	Mash	---
Water Agent	Chlorek wapnia	4 g	Mash	---
Water Agent	Witamina C	2 g	Boil	5 min