

## WC IPA

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- Gravity **15.4 BLG**
- ABV ---
- IBU **59**
- SRM **11.9**

### Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **33 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

### Steps

- Temp **62 C**, Time **60 min**
- Temp **68 C**, Time **20 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **21 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **60 min** at **62C**
- Keep mash **20 min** at **68C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **19 liter(s)** of **76C** water or to achieve **33 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	5.5 kg (78.6%)	79 %	6
Grain	Pszeniczny	0.5 kg (7.1%)	85 %	4
Grain	Weyermann - Carapils	0.5 kg (7.1%)	78 %	4
Grain	Strzegom Karmel 150	0.5 kg (7.1%)	75 %	150

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	40 g	60 min	13.5 %
Boil	Magnum	10 g	20 min	13.5 %
Boil	Chinook	20 g	10 min	13 %
Dry Hop	Citra	30 g	10 day(s)	12 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis