

# WCIPA 2019

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- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **51**
- SRM **3.9**
- Style **American IPA**

## Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **8 %/h**
- Boil size **29.3 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19 liter(s)**
- Total mash volume **25.3 liter(s)**

## Steps

- Temp **65 C**, Time **60 min**
- Temp **75 C**, Time **10 min**

## Mash step by step

- Heat up **19 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **10 min** at **75C**
- Sparge using **16.6 liter(s)** of **76C** water or to achieve **29.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	pilzneński lager Malteurop	6 kg (91.9%)	80 %	4
Grain	Weyermann - Carapils	0.13 kg (2%)	78 %	4
Sugar	cukier	0.2 kg (3.1%)	100 %	0
Grain	Płatki owsiane	0.2 kg (3.1%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
First Wort	lunga	30 g	60 min	12.8 %
Boil	Citra	25 g	7 min	13.3 %
Boil	Simcoe	25 g	7 min	13.7 %
Whirlpool	Citra	35 g	0 min	13.3 %
Whirlpool	Simcoe	25 g	0 min	13.7 %
Dry Hop	Citra	50 g	4 day(s)	13.3 %
Dry Hop	Simcoe	50 g	4 day(s)	13.7 %
Dry Hop	sabro	50 g	4 day(s)	15.5 %

## Yeasts

<b>Name</b>	<b>Type</b>	<b>Form</b>	<b>Amount</b>	<b>Laboratory</b>
sds	Ale	Slant	200 ml	po warce 55

### **Extras**

<b>Type</b>	<b>Name</b>	<b>Amount</b>	<b>Use for</b>	<b>Time</b>
Fining	Whirlfloc T	1 g	Boil	10 min