

## Session West Coast IPA 2019v.2

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- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **56**
- SRM **3.9**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **70 min**
- Evaporation rate **5 %/h**
- Boil size **24.3 liter(s)**

### Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **18.8 liter(s)**
- Total mash volume **23.5 liter(s)**

### Steps

- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **18.8 liter(s)** of strike water to **69.5C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **10.2 liter(s)** of **76C** water or to achieve **24.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pilsner Malt	4.1 kg (87.2%)	81 %	5
Grain	Weyermann - Carapils	0.3 kg (6.4%)	78 %	4
Grain	Platki pszeniczne	0.3 kg (6.4%)	85 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Apollo	50 g	10 min	17 %
Boil	Citra	50 g	10 min	12 %
Dry Hop	Cascade	20 g	3 day(s)	6 %
Dry Hop	Amarillo	50 g	3 day(s)	9.5 %
Dry Hop	Centennial	50 g	3 day(s)	10.5 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	500 ml	---