

## Tropical Imperial IPA (wesota wersja)

- Gravity **18.9 BLG**
- ABV **8.2 %**
- IBU **98**
- SRM **5.2**
- Style **Imperial IPA**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **26.3 liter(s)**
- Total mash volume **33.8 liter(s)**

### Steps

- Temp **62 C**, Time **50 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **2 min**

### Mash step by step

- Heat up **26.3 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **50 min** at **62C**
- Keep mash **15 min** at **72C**
- Keep mash **2 min** at **78C**
- Sparge using **6.5 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (66.7%)	80 %	5
Grain	Pszeniczny	2 kg (26.7%)	85 %	4
Grain	Płatki owsiane	0.5 kg (6.7%)	85 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Dry Hop	Citra	50 g	5 day(s)	12 %
Boil	Centennial	100 g	40 min	10.5 %
Boil	Mosaic	50 g	5 min	10 %
Boil	Citra	50 g	5 min	12 %
Dry Hop	Mosaic	50 g	5 day(s)	10 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	23 g	Fermentis

### Extras

Type	Name	Amount	Use for	Time
Flavor	ananas	50 g	Boil	10 min
Flavor	pomarańcze	50 g	Secondary	5 day(s)
Flavor	mango	50 g	Secondary	3 day(s)