

## Red IPA zestaw

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- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **56**
- SRM **8.1**
- Style **Red IPA**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **12.7 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **8.8 liter(s)**
- Total mash volume **11.3 liter(s)**

### Steps

- Temp **52 C**, Time **10 min**
- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **30 min**

### Mash step by step

- Heat up **8.8 liter(s)** of strike water to **56.5C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **60 min** at **68C**
- Keep mash **30 min** at **72C**
- Sparge using **6.4 liter(s)** of **76C** water or to achieve **12.7 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2 kg (80%)	80 %	5
Grain	Karmelowy Czerwony	0.5 kg (20%)	75 %	59

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook PL	25 g	50 min	6.2 %
Boil	Cascade PL	25 g	30 min	5.2 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	7 g	Fermentis