

## nazwa robocza

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- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **43**
- SRM **4.2**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **20.8 liter(s)**
- Total mash volume **27.1 liter(s)**

### Steps

- Temp **68 C**, Time **70 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **20.8 liter(s)** of strike water to **75.3C**
- Add grains
- Keep mash **70 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **15.9 liter(s)** of **76C** water or to achieve **30.4 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (79.4%)	80 %	5
Grain	Weyermann - Carapils	0.5 kg (7.9%)	78 %	4
Grain	Pszeniczny	0.8 kg (12.7%)	85 %	4

### Hops

Use for	Name	Amount	Time	Alpha acid
First Wort	Citra	20 g	60 min	12 %
Boil	Citra	20 g	30 min	12 %
Aroma (end of boil)	Citra	20 g	5 min	12 %
Dry Hop	Mosaic	50 g	2 day(s)	10 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis