

## Warka #10

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- Gravity **13.1 BLG**
- ABV ---
- IBU **71**
- SRM **5**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (72.7%)	80 %	5
Grain	Strzegom Wiedeński	1 kg (18.2%)	79 %	10
Grain	Pszeniczny	0.5 kg (9.1%)	85 %	14

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	50 g	60 min	12 %
Boil	Amarillo	15 g	15 min	9.5 %
Boil	Cascade	15 g	5 min	6 %
Aroma (end of boil)	Amarillo	10 g	0 min	9.5 %
Aroma (end of boil)	Cascade	10 g	0 min	6 %
Dry Hop	Amarillo	10 g	7 day(s)	9.5 %
Dry Hop	Cascade	10 g	7 day(s)	6 %
Dry Hop	Citra	10 g	5 day(s)	12 %
Dry Hop	Amarillo	10 g	5 day(s)	9.5 %
Dry Hop	Cascade	10 g	5 day(s)	6 %
Dry Hop	Amarillo	5 g	3 day(s)	9.5 %
Dry Hop	Cascade	5 g	3 day(s)	6 %
Dry Hop	Citra	40 g	3 day(s)	12 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11 g	Safale