

Pierwsza Warka

- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **57**
- SRM **5.6**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **28.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (71.4%)	80 %	5
Grain	Monachijski	1 kg (14.3%)	80 %	16
Grain	Viking Pilsner malt	1 kg (14.3%)	82 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	40 g	70 min	12 %
Boil	Amarillo	10 g	30 min	9.5 %
Boil	Cascade	10 g	30 min	6 %
Aroma (end of boil)	Amarillo	10 g	10 min	9.5 %
Aroma (end of boil)	cascade	10 g	10 min	1 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-33	Ale	Dry	11.5 g	Fermentis