

## 05.2021

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **33**
- SRM **4.1**
- Style **Blonde Ale**

### Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **33 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **24.5 liter(s)**
- Total mash volume **31.5 liter(s)**

### Steps

- Temp **66 C**, Time **50 min**
- Temp **74 C**, Time **10 min**
- Temp **78 C**, Time **1 min**

### Mash step by step

- Heat up **24.5 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **50 min** at **66C**
- Keep mash **10 min** at **74C**
- Keep mash **1 min** at **78C**
- Sparge using **15.5 liter(s)** of **76C** water or to achieve **33 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3 kg (42.9%)	80 %	5
Grain	Viking Pilsner malt	2 kg (28.6%)	82 %	4
Grain	Viking Wheat Malt	1 kg (14.3%)	83 %	5
Grain	Platki owsiane	1 kg (14.3%)	60 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Loral	30 g	60 min	11.9 %
Aroma (end of boil)	Falconer's Flight	30 g	5 min	10.3 %
Dry Hop	Falconer's Flight	30 g	3 day(s)	10.3 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM11 Wichrowe Wzgórza	Ale	Slant	600 ml	---

### Extras

Type	Name	Amount	Use for	Time
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Fining	Whirlflock	1.5 g	Boil	15 min
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