

## Hawk (barleywine z głogiem)

- Gravity **25.7 BLG**
- ABV **12.1 %**
- IBU **45**
- SRM **20.1**
- Style **English Barleywine**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **120 min**
- Evaporation rate **10 %/h**
- Boil size **13.8 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.9 liter(s)**
- Total mash volume **25.6 liter(s)**

### Steps

- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **1 min**

### Mash step by step

- Heat up **19.9 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **30 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **-0.4 liter(s)** of **76C** water or to achieve **13.8 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	4 kg (70.2%)	82 %	4
Grain	Simpsons - Maris Otter	1 kg (17.5%)	81 %	6
Grain	Biscuit Malt	0.3 kg (5.3%)	79 %	45
Grain	Special B Malt	0.2 kg (3.5%)	65.2 %	315
Grain	Fawcett - Crystal	0.1 kg (1.8%)	70 %	160
Grain	Caraaroma	0.1 kg (1.8%)	78 %	400

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	25 g	60 min	13.9 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	150 ml	Fermentis

### Extras

Type	Name	Amount	Use for	Time
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Other	owoce głogu	500 g	Primary	14 day(s)
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