

## Herbatnik v2(Pępkowy)

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **41**
- SRM **3.5**
- Style **American Pale Ale**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.7 liter(s)**

### Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **15.8 liter(s)**
- Total mash volume **20.3 liter(s)**

### Steps

- Temp **65 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **15 min**

### Mash step by step

- Heat up **15.8 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **40 min** at **65C**
- Keep mash **20 min** at **72C**
- Keep mash **15 min** at **76C**
- Sparge using **16.4 liter(s)** of **76C** water or to achieve **27.7 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (88.9%)	80 %	5
Grain	Platki owsiane	0.5 kg (11.1%)	85 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	30 g	60 min	13.2 %
Aroma (end of boil)	Simcoe	30 g	0 min	13.2 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	1500 ml	Fermentis

### Extras

Type	Name	Amount	Use for	Time
Flavor	Ceylon Earl Grey	100 g	Secondary	2 day(s)
Fining	Irish Moss	5 g	Boil	15 min

### Notes

- Warka 16. 12 BLG po gotwaniu  
*Jul 26, 2017, 8:14 PM*