

Świerkowa IPA

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **40**
- SRM **3.8**
- 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 **18 liter(s)**
- Total mash volume **24 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **18 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **76C**
- Sparge using **16.3 liter(s)** of **76C** water or to achieve **28.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	5 kg (83.3%)	81 %	4
Grain	Płatki owsiane	1 kg (16.7%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	15 g	60 min	13.2 %
Aroma (end of boil)	Mosaic	50 g	5 min	10 %
Aroma (end of boil)	Citra	50 g	5 min	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
S-05	Ale	Dry	11.5 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
Flavor	Pędy świerku	150 g	Boil	30 min

Notes

- Pędy świerku umyć zimną wodą.
gotować 30 min w celu wydobycia aromatu.

dodać odcedzony roztwór do przefiltrowanej brzeczki na ostatnie 10 minut gotowania z chmielem.
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