

Świerkowe

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **24**
- SRM **4.6**
- Style **English IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

Steps

- Temp **72 C**, Time **70 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **15 liter(s)** of strike water to **80.7C**
- Add grains
- Keep mash **70 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Malt (2 Row) Bel	5 kg (100%)	80 %	6

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Polaris	13 g	60 min	17.1 %

Yeasts

Name	Type	Form	Amount	Laboratory
Danstar - London	Ale	Dry	10 g	---

Extras

Type	Name	Amount	Use for	Time
Flavor	Pędy świerka	150 g	Boil	30 min
Flavor	Pędy świerka	50 g	Boil	10 min
Flavor	Pędy świerka	50 g	Boil	0 min