

Pierworodny

- Gravity **16.7 BLG**
- ABV ---
- IBU **78**
- SRM **7**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **10 %**
- Size with trub loss **19.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **22.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.3 liter(s)**
- Total mash volume **24.8 liter(s)**

Steps

- Temp **68 C**, Time **60 min**

Mash step by step

- Heat up **19.3 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **9 liter(s)** of **76C** water or to achieve **22.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	4 kg (72.7%)	79 %	6
Grain	Strzegom Wiedeński	1 kg (18.2%)	79 %	10
Grain	Strzegom pszeniczny	0.5 kg (9.1%)	81 %	6

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	30 g	50 min	12 %
Boil	Mosaic	30 g	30 min	10 %
Boil	Chinook	30 g	10 min	13 %

Yeasts

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