

Tatowe

- Gravity **14.7 BLG**
- ABV **6.1 %**
- IBU **31**
- SRM **4.3**
- Style **White IPA**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **13.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.5 liter(s)**
- Total mash volume **14 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **10.5 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **1 min** at **78C**
- Sparge using **8.8 liter(s)** of **76C** water or to achieve **15.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	0.5 kg (14.3%)	80 %	4
Grain	Pszeniczny	2.5 kg (71.4%)	85 %	4
Grain	Żytni	0.5 kg (14.3%)	85 %	8

Hops

Use for	Name	Amount	Time	Alpha acid
Aroma (end of boil)	Cascade PL	40 g	15 min	5.5 %
Whirlpool	Cascade PL	60 g	15 min	5.5 %
Dry Hop	Citra	30 g	4 day(s)	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Slant	200 ml	Fermentum Mobile