

Brutusowe

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **63**
- SRM **5.6**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **22.5 liter(s)**
- Trub loss **4 %**
- Size with trub loss **23.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **28.7 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.5 liter(s)**

Steps

- Temp **62 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **30 min**

Mash step by step

- Heat up **17.5 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **60 min** at **62C**
- Keep mash **20 min** at **72C**
- Keep mash **30 min** at **78C**
- Sparge using **16.2 liter(s)** of **76C** water or to achieve **28.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Wiedeński	5 kg (100%)	85 %	10

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Strata	20 g	60 min	15.1 %
Boil	Strata	20 g	25 min	15.1 %
Boil	Strata	10 g	10 min	15.1 %
Boil	HBC 472 Experimental	30 g	10 min	9.3 %

Yeasts

Name	Type	Form	Amount	Laboratory
Gozdawa - Belgian Fruit & Spicy	Ale	Dry	10 g	Gozdawa