

Farmer

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **18**
- SRM **3.6**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **90 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.1 liter(s)**
- Total mash volume **18.8 liter(s)**

Steps

- Temp **68 C**, Time **50 min**
- Temp **72 C**, Time **10 min**

Mash step by step

- Heat up **14.1 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **50 min** at **68C**
- Keep mash **10 min** at **72C**
- Sparge using **18.4 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	2 kg (42.6%)	82 %	4
Grain	Strzegom Pszeniczny	2 kg (42.6%)	81 %	6
Grain	Płatki pszeniczne	0.6 kg (12.8%)	85 %	3
Grain	Acid Malt	0.1 kg (2.1%)	58.7 %	6

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	5 g	60 min	12 %
Boil	Citra	15 g	15 min	12 %
Boil	Citra	30 g	2 min	12 %

Yeasts

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