

Polish Wheat

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **15**
- SRM **4.2**
- Style **American Wheat or Rye Beer**

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 **13 %/h**
- Boil size **26.7 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **4.3 liter(s) / kg**
- Mash size **24.1 liter(s)**
- Total mash volume **29.7 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **24.1 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **5 min** at **78C**
- Sparge using **8.2 liter(s)** of **76C** water or to achieve **26.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	2.8 kg (50%)	82 %	4
Grain	Viking Wheat Malt	2.8 kg (50%)	83 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Pałacowy	17 g	60 min	8.5 %
Aroma (end of boil)	Pałacowy	50 g	0 min	8.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	200 ml	Fermentis