

American Wheat

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **24**
- SRM **7.2**
- 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 **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

Steps

- Temp **44 C**, Time **15 min**
- Temp **55 C**, Time **15 min**
- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **40 min**

Mash step by step

- Heat up **16.5 liter(s)** of strike water to **48C**
- Add grains
- Keep mash **15 min** at **44C**
- Keep mash **15 min** at **55C**
- Keep mash **40 min** at **62C**
- Keep mash **40 min** at **72C**
- Sparge using **14.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	2 kg (36.4%)	85 %	4
Grain	Żytni	0.5 kg (9.1%)	85 %	8
Grain	Caramunich® typ I	0.5 kg (9.1%)	73 %	80
Grain	Viking Pale Ale malt	2 kg (36.4%)	80 %	5
Grain	Weyermann - Pilsner Malt Eraclea	0.5 kg (9.1%)	81 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade	30 g	60 min	6 %
Aroma (end of boil)	Cascade	20 g	10 min	6 %
Whirlpool	Palisade	30 g	1 min	7.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safbrew WB-06	Wheat	Slant	300 ml	---