

American wheat

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **53**
- SRM **4.6**
- 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 **67 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **19.3 liter(s)**
- Total mash volume **24.8 liter(s)**

Steps

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

Mash step by step

- Heat up **19.3 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **11.5 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	2.5 kg (45.3%)	85 %	4
Grain	Viking Pale Ale malt	2 kg (36.2%)	80 %	5
Grain	Monachijski	0.5 kg (9.1%)	80 %	16
Grain	Pszenica niesłodowana	0.3 kg (5.4%)	75 %	3
Grain	owies niesłodowany	0.22 kg (4%)	70 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	40 g	60 min	12 %