

ślubne american wheat

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **24**
- SRM **3.5**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **6 %/h**
- Boil size **22.9 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.9 liter(s)**
- Total mash volume **17.2 liter(s)**

Steps

- Temp **64 C**, Time **40 min**
- Temp **68 C**, Time **20 min**
- Temp **72 C**, Time **1 min**

Mash step by step

- Heat up **12.9 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **40 min** at **64C**
- Keep mash **20 min** at **68C**
- Keep mash **1 min** at **72C**
- Sparge using **14.3 liter(s)** of **76C** water or to achieve **22.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	2 kg (46.5%)	81 %	4
Grain	Pszeniczny	2 kg (46.5%)	85 %	4
Grain	Weyermann - Carapils	0.2 kg (4.7%)	78 %	4
Grain	Płatki owsiane	0.1 kg (2.3%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	20 g	40 min	11 %