

American wheat

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **24**
- SRM **3.2**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **15.9 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **10.2 liter(s)**
- Total mash volume **13.1 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **76 C**, Time **0 min**

Mash step by step

- Heat up **10.2 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **0 min** at **76C**
- Sparge using **8.6 liter(s)** of **76C** water or to achieve **15.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Heidelberg	1.4 kg (48.3%)	80.5 %	2
Grain	Pszeniczny	1.5 kg (51.7%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	El Dorado	4 g	60 min	13.8 %
Boil	Centennial	15 g	15 min	10.5 %
Boil	Amarillo	15 g	0 min	8.5 %
Boil	Centennial	15 g	0 min	10.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	6 g	Fermentis