

American wheat

- Gravity **9.8 BLG**
- ABV ---
- IBU **49**
- SRM **4.9**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **10 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **70 min**
- Evaporation rate **15 %/h**
- Boil size **32.3 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.8 liter(s)**
- Total mash volume **17 liter(s)**

Steps

- Temp **65 C**, Time **70 min**

Mash step by step

- Heat up **12.8 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **70 min** at **65C**
- Sparge using **23.8 liter(s)** of **76C** water or to achieve **32.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale	2 kg (47.1%)	80 %	4
Grain	Pszeniczny	2 kg (47.1%)	85 %	4
Grain	Karmelowy Czerwony	0.25 kg (5.9%)	75 %	59

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Amarillo	30 g	55 min	9.5 %
Boil	Amarillo	20 g	10 min	12 %
Aroma (end of boil)	Citra	20 g	20 min	9.5 %
Dry Hop	Citra	30 g	7 day(s)	9.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	10 g	Fermentis