

Americanwheat22

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **22**
- SRM **5.1**
- 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 **69 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.8 liter(s)**
- Total mash volume **22.9 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **17.8 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **5 min** at **76C**
- Sparge using **12.6 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Słód pszeniczny Bestmalz	2 kg (39.2%)	82 %	5
Grain	Pilzneński	3 kg (58.8%)	81 %	4
Grain	Strzegom Karmel 150	0.1 kg (2%)	75 %	150

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Amarillo	10 g	60 min	8.7 %
Boil	Oktawia	15 g	15 min	6.9 %
Aroma (end of boil)	Oktawia	15 g	0 min	6.9 %
Aroma (end of boil)	Citra	10 g	15 min	12 %
Dry Hop	Citra	20 g	4 day(s)	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis