

Hazy American Wheat

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **27**
- 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 **13.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.8 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **9.1 liter(s)**
- Total mash volume **11.7 liter(s)**

Steps

- Temp **68 C**, Time **69 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up **9.1 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **69 min** at **68C**
- Keep mash **1 min** at **76C**
- Sparge using **9.3 liter(s)** of **76C** water or to achieve **15.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	1.1 kg (42.3%)	85 %	4
Grain	Pilznieński	1.1 kg (42.3%)	81 %	4
Grain	Oats, Flaked	0.2 kg (7.7%)	80 %	2
Grain	Płatki pszeniczne	0.2 kg (7.7%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	5 g	60 min	12 %
Boil	Citra	5 g	30 min	12 %
Boil	Amarillo	10 g	15 min	9.5 %
Whirlpool	Citra	15 g	0 min	12 %
Dry Hop	Citra	25 g	4 day(s)	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
us-05	Ale	Slant	100 ml	---