

American Wheat

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **71**
- SRM **5.8**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **13.2 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **11.2 liter(s)**
- Total mash volume **14 liter(s)**

Steps

- Temp **50 C**, Time **30 min**
- Temp **64 C**, Time **45 min**
- Temp **70 C**, Time **20 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **11.2 liter(s)** of strike water to **53.8C**
- Add grains
- Keep mash **30 min** at **50C**
- Keep mash **45 min** at **64C**
- Keep mash **20 min** at **70C**
- Keep mash **10 min** at **78C**
- Sparge using **4.8 liter(s)** of **76C** water or to achieve **13.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	0.75 kg (26.8%)	85 %	7
Grain	Weyermann - Pale Wheat Malt	1.5 kg (53.6%)	85 %	5
Grain	Weyermann - Acidulated Malt	0.05 kg (1.8%)	80 %	6
Grain	Platki pszeniczne	0.25 kg (8.9%)	60 %	3
Grain	Viking Cookie malt	0.25 kg (8.9%)	72 %	40

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	15 g	60 min	13.5 %
Boil	Citra	15 g	30 min	12 %
Aroma (end of boil)	Amarillo	15 g	0 min	9.5 %
Dry Hop	Citra	25 g	7 day(s)	12 %
Dry Hop	Amarillo	15 g	7 day(s)	9.5 %
Dry Hop	Citra	15 g	2 day(s)	12 %

Dry Hop	Amarillo	15 g	2 day(s)	9.5 %
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Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis