

American Wheat X

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **31**
- SRM **4.6**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **30 %/h**
- Boil size **31.2 liter(s)**

Mash information

- Mash efficiency **69.5 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **18.9 liter(s)**
- Total mash volume **24.3 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **18.9 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **0 min** at **78C**
- Sparge using **17.7 liter(s)** of **76C** water or to achieve **31.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pszeniczny jasny	2.7 kg (50%)	80 %	6
Grain	Weyermann - Pale Ale	2.3 kg (42.6%)	80 %	6
Grain	Weyermann - Carapils	0.4 kg (7.4%)	75 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	USA Citra (2016)	20 g	60 min	14.2 %
Boil	USA Citra (2016)	30 g	0 min	14.2 %
Dry Hop	USA Citra (2016)	20 g	3 day(s)	14.2 %

Yeasts

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