

American Wheat Kafir

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **32**
- SRM **3.9**
- 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 **70 min**
- Evaporation rate **10 %/h**
- Boil size **25.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.5 liter(s)**

Steps

- Temp **63 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **17.5 liter(s)** of strike water to **69.1C**
- Add grains
- Keep mash **40 min** at **63C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **13.2 liter(s)** of **76C** water or to achieve **25.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pilsner Malt	2.25 kg (45%)	81 %	5
Grain	Pszeniczny	2.75 kg (55%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Azacca	10 g	60 min	14 %
Boil	Citra	10 g	15 min	13.5 %
Boil	Mosaic	15 g	10 min	9.5 %
Boil	Amarillo	20 g	5 min	10.3 %
Aroma (end of boil)	Citra	20 g	0 min	13.5 %

Yeasts

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

Extras

Type	Name	Amount	Use for	Time
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Spice	Kafir	10 g	Boil	10 min
Spice	Kafir	15 g	Bottling	---