

# WITBIER Z KAFFIREM I PLATKAMI ROZY

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **14**
- SRM **3.6**
- Style **Witbier**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **10 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.7 liter(s)**

## Mash information

- Mash efficiency **67 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.4 liter(s)**
- Total mash volume **23.2 liter(s)**

## Steps

- Temp **62 C**, Time **70 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **17.4 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **70 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **16.1 liter(s)** of **76C** water or to achieve **27.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	3 kg (51.7%)	80 %	4
Grain	Płatki pszeniczne	2.3 kg (39.7%)	85 %	3
Grain	Płatki owsiane	0.4 kg (6.9%)	85 %	3
Grain	Acid Malt	0.1 kg (1.7%)	58.7 %	6

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Saaz (Czech Republic)	35 g	60 min	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Wyeast - Belgian Witbier	Ale	Liquid	1000 ml	Wyeast Labs

## Extras

Type	Name	Amount	Use for	Time
Spice	Kolendra	7.5 g	Boil	10 min

Spice	Kolendra	7.5 g	Boil	3 min
Flavor	Skórka świeżej pomarańczy	50 g	Boil	10 min
Flavor	Skórka świeżej pomarańczy	50 g	Boil	3 min
Flavor	Kaffir	10 g	Boil	10 min
Flavor	Kaffir	10 g	Boil	3 min
Flavor	Płatki róży	15 g	Boil	10 min
Flavor	Płatki róży	5 g	Boil	3 min
Flavor	Płatki róży	20 g	Secondary	5 day(s)
Flavor	Kaffir	20 g	Secondary	5 day(s)