

# WITam Serdecznie

- Gravity **8.4 BLG**
- ABV ---
- IBU **34**
- SRM **3.1**
- Style **Witbier**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9 liter(s)**
- Total mash volume **12 liter(s)**

## Steps

- Temp **55 C**, Time **20 min**
- Temp **64 C**, Time **80 min**
- Temp **76 C**, Time **1 min**

## Mash step by step

- Heat up **9 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **20 min** at **55C**
- Keep mash **80 min** at **64C**
- Keep mash **1 min** at **76C**
- Sparge using **19.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	3 kg (54.5%)	80 %	4
Adjunct	płatki pszeniczne	2.25 kg (40.9%)	1 %	---
Adjunct	płatki owsiane	0.25 kg (4.5%)	1 %	---

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Citra	20 g	15 min	12 %
Boil	Citra	10 g	60 min	12 %
Aroma (end of boil)	Mosaic	30 g	0 min	10 %

## Yeasts

Name	Type	Form	Amount	Laboratory
gozdawa classic belgian witbier	Ale	Dry	10 g	---

## Extras

Type	Name	Amount	Use for	Time
Flavor	curacao	20 g	Boil	5 min

Spice	kolendra	7 g	Boil	5 min
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