

# Witbier

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- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **13**
- SRM **4.1**
- 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 **15 liter(s)**
- Total mash volume **20 liter(s)**

## Steps

- Temp **64 C**, Time **40 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **2 min**

## Mash step by step

- Heat up **15 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **40 min** at **64C**
- Keep mash **10 min** at **72C**
- Keep mash **2 min** at **78C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2.25 kg (45%)	80 %	4
Grain	Strzegom Pszeniczny	2.5 kg (50%)	81 %	6
Grain	Płatki owsiane	0.25 kg (5%)	60 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	East Kent Goldings	20 g	60 min	5.1 %
Boil	Lublin (Lubelski)	10 g	10 min	4 %

## Extras

Type	Name	Amount	Use for	Time
Spice	kolendra	10 g	Boil	5 min
Spice	skórka gorzkiej pomarańczy	20 g	Boil	5 min