

# witbier

- Gravity **15.4 BLG**
- ABV **6.5 %**
- IBU **15**
- SRM **4.2**
- 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 **19.5 liter(s)**
- Total mash volume **26 liter(s)**

## Steps

- Temp **66 C**, Time **50 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **19.5 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **50 min** at **66C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **12.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	pilsn	3 kg (46.2%)	80 %	4
Grain	słód przenieczny wiking	0.5 kg (7.7%)	80 %	5
Grain	Pszenica niesłodowana	2.5 kg (38.5%)	75 %	3
Grain	Płatki owsiane	0.5 kg (7.7%)	60 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	30 g	60 min	4 %
Boil	Lublin (Lubelski)	20 g	10 min	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
s 33	Wheat	Slant	200 ml	---

## Extras

Type	Name	Amount	Use for	Time
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Spice	curacao	20 g	Boil	15 min
Spice	skur.pomar	20 g	Boil	15 min
Spice	kolendra	20 g	Boil	15 min