

# Witbier

- Gravity **10 BLG**
- ABV **4 %**
- IBU **15**
- SRM **3.2**
- 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 **8.1 liter(s)**
- Total mash volume **10.8 liter(s)**

## Steps

- Temp **53 C**, Time **20 min**
- Temp **63 C**, Time **60 min**
- Temp **72 C**, Time **25 min**
- Temp **78 C**, Time **15 min**

## Mash step by step

- Heat up **8.1 liter(s)** of strike water to **58.5C**
- Add grains
- Keep mash **20 min** at **53C**
- Keep mash **60 min** at **63C**
- Keep mash **25 min** at **72C**
- Keep mash **15 min** at **78C**
- Sparge using **19.9 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	BESTMALZ - Best Pilsen	1.8 kg (48.6%)	80.5 %	4
Grain	Strzegom Monachijski typ I	0.2 kg (5.4%)	79 %	16
Grain	Słód pszeniczny Bestmalz	0.5 kg (13.5%)	82 %	5
Adjunct	Pszenica niesłodowana	1 kg (27%)	75 %	3
Grain	Płatki owsiane	0.2 kg (5.4%)	60 %	3

## Hops

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

## Yeasts

Name	Type	Form	Amount	Laboratory
FM23 Magiczny ogród	Wheat	Liquid	50 ml	Fermentum Mobile

## Extras

Type	Name	Amount	Use for	Time
Spice	Kolendra	30 g	Boil	10 min
Spice	Skurka pomarańczy	40 g	Boil	10 min