

# Witbier

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **15**
- SRM **3.4**
- Style **Witbier**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **8 %**
- Size with trub loss **27 liter(s)**
- Boil time **70 min**
- Evaporation rate **8 %/h**
- Boil size **30.6 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

## Steps

- Temp **55 C**, Time **20 min**
- Temp **64 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **21 liter(s)** of strike water to **60C**
- Add grains
- Keep mash **20 min** at **55C**
- Keep mash **60 min** at **64C**
- Keep mash **1 min** at **78C**
- Sparge using **15.6 liter(s)** of **76C** water or to achieve **30.6 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	3 kg (50%)	81 %	4
Grain	Pszenica niesłodowana	2.7 kg (45%)	75 %	3
Grain	Płatki owsiane	0.3 kg (5%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	East Kent Goldings	25 g	60 min	5.1 %
Boil	Saaz (Czech Republic)	18.75 g	15 min	4.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Wyeast 3944 Belgian Witbier	Ale	Liquid	1000 ml	Brewferm

## Extras

Type	Name	Amount	Use for	Time
Spice	Kolendra indyjska	12.5 g	Boil	5 min

Flavor	Skórka gorzkiej pomarańczy	25 g	Boil	5 min
Flavor	Świeża skórka pomarańczy	125 g	Boil	5 min