

# Witbier

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **22**
- SRM **3.6**
- Style **Witbier**

## Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.2 liter(s)**
- Total mash volume **17.6 liter(s)**

## Steps

- Temp **64 C**, Time **30 min**
- Temp **67 C**, Time **30 min**
- Temp **78 C**, Time **15 min**

## Mash step by step

- Heat up **13.2 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **30 min** at **64C**
- Keep mash **30 min** at **67C**
- Keep mash **15 min** at **78C**
- Sparge using **10.2 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Słód Pilsner® 2,5-4,5 EBC Weyermann	2.5 kg (56.8%)	80 %	3
Grain	Płatki pszeniczne	1.6 kg (36.4%)	60 %	3
Grain	Płatki owsiane	0.3 kg (6.8%)	60 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Saaz (Czech Republic)	25 g	60 min	4.5 %
Boil	Saaz (Czech Republic)	15 g	15 min	4.5 %
Aroma (end of boil)	Saaz (Czech Republic)	10 g	5 min	4.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
lallemand - belgian wit style	Ale	Dry	11 g	Lallemand

## Extras

Type	Name	Amount	Use for	Time
Spice	kolendra	10 g	Boil	5 min
Spice	curacao	15 g	Boil	5 min

## Notes

- Woda kran modyfikowana:  
zacieranie 18L - 2 gr kwasu mlekowego  
wysładzanie 7L - 2.5 gr kwasu mlekowego  
*Jun 28, 2023, 12:51 PM*