

# witek 2021

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- Gravity **10.7 BLG**
- ABV **4.3 %**
- IBU **14**
- SRM **3**
- 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 **80 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **13.9 liter(s)**
- Total mash volume **18.1 liter(s)**

## Steps

- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **60 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **13.9 liter(s)** of strike water to **68.3C**
- Add grains
- Keep mash **30 min** at **62C**
- Keep mash **60 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **15.6 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	1.75 kg (41.7%)	81 %	4
Grain	Płatki owsiane	0.4 kg (9.5%)	60 %	3
Grain	Pszenica niesłodowana	1.75 kg (41.7%)	75 %	3
Grain	słód enzymatyczny	0.3 kg (7.1%)	--- %	3

## Hops

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

## Yeasts

Name	Type	Form	Amount	Laboratory
Brewferm Blanche	Wheat	Dry	12 g	Brewferm

## Extras

Type	Name	Amount	Use for	Time
Spice	kolendra	15 g	Boil	10 min
Spice	curacao	20 g	Boil	10 min