

# Witbier 11°BLG 25-08-2018

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **15**
- SRM **2.6**
- Style **Witbier**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.9 liter(s) / kg**
- Mash size **16 liter(s)**
- Total mash volume **20.1 liter(s)**

## Steps

- Temp **52 C**, Time **20 min**
- Temp **63 C**, Time **60 min**
- Temp **72 C**, Time **25 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **16 liter(s)** of strike water to **56.1C**
- Add grains
- Keep mash **20 min** at **52C**
- Keep mash **60 min** at **63C**
- Keep mash **25 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **19.8 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Heidelberg	3 kg (58.8%)	80.5 %	2
Grain	Słód pszeniczny Bestmalz	0.5 kg (9.8%)	82 %	5
Adjunct	Pszenica niesłodowana	1 kg (19.6%)	75 %	3
Grain	Płatki owsiane	0.6 kg (11.8%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	40 g	60 min	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's - Belgian Wit M21	Wheat	Dry	11 g	Mangrove Jack's

## Extras

Type	Name	Amount	Use for	Time
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Spice	Curacao 15g	15 g	Boil	10 min
Spice	Kolendra 15g	15 g	Boil	10 min