

## Double Witbier

- Gravity **17.5 BLG**
- ABV ---
- IBU **27**
- SRM **5.6**
- Style **Witbier**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **70 min**
- Evaporation rate **20 %/h**
- Boil size **30.8 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

### Steps

- Temp **55 C**, Time **20 min**
- Temp **65 C**, Time **60 min**
- Temp **76 C**, Time **0 min**

### Mash step by step

- Heat up **21 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **20 min** at **55C**
- Keep mash **60 min** at **65C**
- Keep mash **0 min** at **76C**
- Sparge using **16.8 liter(s)** of **76C** water or to achieve **30.8 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	2 kg (28.6%)	82 %	4
Grain	Viking Munich Malt	1 kg (14.3%)	78 %	18
Grain	Viking Wheat Malt	3 kg (42.9%)	83 %	5
Grain	Platki owsiane	1 kg (14.3%)	85 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	25 g	70 min	10 %
Boil	Oktawia	20 g	15 min	7.1 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Gozdawa Classic Belgian Witbier	Wheat	Dry	11 g	Gozdawa

### Extras

Type	Name	Amount	Use for	Time
Spice	Kolendra	20 g	Boil	10 min

Spice	Zest pomarańczy	40 g	Boil	10 min
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