

## Belgian Witbier v2

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **21**
- SRM **3.7**
- 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 **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

### Steps

- Temp **50 C**, Time **20 min**
- Temp **66 C**, Time **70 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **15 liter(s)** of strike water to **55C**
- Add grains
- Keep mash **20 min** at **50C**
- Keep mash **70 min** at **66C**
- Keep mash **10 min** at **78C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2.5 kg (50%)	80 %	4
Grain	Płatki orkiszowe	1 kg (20%)	80 %	6
Grain	Płatki pszeniczne	0.5 kg (10%)	85 %	3
Grain	Płatki owsiane	0.5 kg (10%)	85 %	3
Grain	Rice, Flaked	0.5 kg (10%)	70 %	2

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Hallertau	25 g	60 min	6.3 %
Boil	Hallertau	25 g	5 min	6.3 %

### Yeasts

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

### Extras

Type	Name	Amount	Use for	Time
------	------	--------	---------	------

Spice	Kolendra indyjska tłuczona	15 g	Boil	10 min
Spice	Skórka cytrynowa świeża	20 g	Boil	10 min
Spice	Skórka pomarańczowa świeża	20 g	Boil	10 min
Spice	Curacao	20 g	Boil	15 min
Spice	Trawa cytrynowa	5 g	Boil	5 min