

## Witek kwiecień

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **11**
- SRM **3.4**
- Style **Witbier**

### Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **10.2 liter(s)**
- Total mash volume **13.1 liter(s)**

### Steps

- Temp **67 C**, Time **90 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **1 min**

### Mash step by step

- Heat up **10.2 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **90 min** at **67C**
- Keep mash **20 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **7.9 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	1.2 kg (41.4%)	81 %	4
Grain	Pszeniczny	1.2 kg (41.4%)	80 %	4
Grain	Oats, Flaked	0.5 kg (17.2%)	60 %	2

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Iunga	3 g	60 min	10.3 %
Boil	Lublin (Lubelski)	15 g	15 min	4 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM20 Białe Walonki	Wheat	Liquid	1 ml	Fermentum Mobile

### Extras

Type	Name	Amount	Use for	Time
Spice	Curacao	10 g	Boil	5 min
Spice	Kolendra	10 g	Boil	5 min

Spice	Skórka słodkiej pomarańczy	10 g	Boil	5 min
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