

## Weizen W3 oak/orange

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- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **12**
- SRM **3.8**
- Style **Weizen/Weissbier**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **12.7 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.8 liter(s) / kg**
- Mash size **11.4 liter(s)**
- Total mash volume **14.4 liter(s)**

### Steps

- Temp **44 C**, Time **20 min**
- Temp **63 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **11.4 liter(s)** of strike water to **47.2C**
- Add grains
- Keep mash **20 min** at **44C**
- Keep mash **40 min** at **63C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **4.3 liter(s)** of **76C** water or to achieve **12.7 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Grodziski pszeniczny wędzony dębem	2 kg (66.7%)	80 %	3
Grain	Pilzneński	1 kg (33.3%)	81 %	4

### Hops

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

### Yeasts

Name	Type	Form	Amount	Laboratory
WB-06	Wheat	Dry	11.5 g	Fermentis

### Extras

Type	Name	Amount	Use for	Time
Flavor	Suszone skórki pomarańczy bergamotki	10 g	Boil	20 min