

#18 Hoppy Witbier

- Gravity **16.4 BLG**
- ABV **6.9 %**
- IBU **85**
- SRM **3.9**
- Style **Witbier**

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 **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9 liter(s)**
- Total mash volume **12 liter(s)**

Steps

- Temp **64 C**, Time **40 min**
- Temp **72 C**, Time **20 min**

Mash step by step

- Heat up **9 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **40 min** at **64C**
- Keep mash **20 min** at **72C**
- Sparge using **6.7 liter(s)** of **76C** water or to achieve **12.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	1.25 kg (41.7%)	80 %	4
Grain	Płatki pszeniczne	1.25 kg (41.7%)	85 %	3
Grain	Płatki owsiane	0.5 kg (16.7%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Warrior	15 g	60 min	15.5 %
Boil	Citra	20 g	15 min	12 %
Boil	Amarillo	20 g	15 min	9.5 %
Whirlpool	Citra	30 g	0 min	12 %
Whirlpool	Amarillo	30 g	0 min	9.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM20 Białe Walonki	Wheat	Liquid	40 ml	Fermentum Mobile

Extras

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

Spice	Curacao	20 g	Boil	5 min
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