Witbier

- Gravity 12.1 BLG
- ABV **4.9** %
- IBU **17**
- SRM **4.1**
- 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 75 min
- Evaporation rate 10 %/h
- Boil size 15.5 liter(s)

Mash information

- Mash efficiency 60 %
- Liquor-to-grist ratio 4 liter(s) / kg
- Mash size 14.4 liter(s)
- Total mash volume 18 liter(s)

Steps

- Temp **64 C**, Time **55 min** Temp **72 C**, Time **10 min**
- Temp 78 C, Time 10 min

Mash step by step

- Heat up 14.4 liter(s) of strike water to 69.5C
- Add grains
- Keep mash 55 min at 64C
- Keep mash 10 min at 72C
- Keep mash 10 min at 78C
- Sparge using 4.7 liter(s) of 76C water or to achieve 15.5 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński (Wayermann & Castle 50/50)	1.7 kg <i>(47.2%)</i>	81 %	4
Grain	Wheat, Torrified	1.7 kg <i>(47.2%)</i>	79 %	4
Grain	Oats, Flaked	0.2 kg (5.6%)	80 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Puławski PH 2019	20 g	20 min	7.6 %

Yeasts

Name	Туре	Form	Amount	Laboratory
FM20 Białe Walonki	Wheat	Liquid	1000 ml	Fermentum Mobile

Extras

Туре	Name	Amount	Use for	Time
Water Agent	chlorek wapnia	4 g	Mash	60 min
Flavor	curacao	13 g	Boil	10 min

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