## Witbier

- Gravity 12.6 BLG
- ABV 5.1 %
- IBU **19**
- SRM 4.3
- Style Witbier

### **Batch size**

- Expected quantity of finished beer 33 liter(s)
- Trub loss 0 %
- Size with trub loss 33 liter(s)
- · Boil time 90 min
- Evaporation rate 10 %/h
- Boil size 38 liter(s)

## **Mash information**

- Mash efficiency 65 %
- Liquor-to-grist ratio 3.5 liter(s) / kg
- Mash size 29.4 liter(s)
- Total mash volume 37.8 liter(s)

### **Steps**

• Temp 65 C, Time 90 min

# Mash step by step

- Heat up 29.4 liter(s) of strike water to 71.4C
- · Add grains
- Keep mash 90 min at 65C
- Sparge using 17 liter(s) of 76C water or to achieve 38 liter(s) of wort

### **Fermentables**

Туре	Name	Amount	Yield	EBC
Grain	Weyermann - Pilsner Malt	4 kg <i>(47.6%)</i>	81 %	5
Grain	Wheat, Flaked	3.2 kg <i>(38.1%)</i>	77 %	4
Grain	Weyermann - Acidulated Malt	0.2 kg <i>(2.4%)</i>	80 %	6
Grain	Weyermann - Carapils	0.2 kg <i>(2.4%)</i>	78 %	4
Grain	Oats, Flaked	0.8 kg <i>(9.5%)</i>	80 %	2

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Centennial	25 g	60 min	9.4 %
Aroma (end of boil)	Centennial	25 g	1 min	9.4 %
Dry Hop	Centennial	50 g	5 day(s)	9.4 %

#### **Yeasts**

Name	Туре	Form	Amount	Laboratory
Safale S-33	Ale	Dry	11.5 g	Fermentis

### **Extras**

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Type	Name	Amount	Use for	Time
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Other	Yeast nutrient	10 g	Boil	5 min
Spice	Dry lemon peels	20 g	Secondary	5 day(s)
Spice	Dry sweet orange peels	20 g	Secondary	5 day(s)
Spice	Dry curacao peels	20 g	Secondary	5 day(s)
Spice	Dry bergamot peels	20 g	Secondary	5 day(s)
Spice	Dry ginger	100 g	Secondary	5 day(s)