54 WITBIER

- Gravity 11.2 BLG
- ABV 4.5 %
- IBU **18**
- SRM 3.2

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss 5 %
- Size with trub loss 21 liter(s)
- Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 25.3 liter(s)

Mash information

- Mash efficiency 82 %
- Liquor-to-grist ratio 3.5 liter(s) / kg
- Mash size 15.8 liter(s)
- Total mash volume 20.3 liter(s)

Steps

- Temp 64 C, Time 30 min
 Temp 72 C, Time 30 min
 Temp 78 C, Time 5 min

Mash step by step

- Heat up 15.8 liter(s) of strike water to 70.3C
- Add grains
- Keep mash 30 min at 64C
- · Keep mash 30 min at 72C
- Keep mash 5 min at 78C
- Sparge using 14 liter(s) of 76C water or to achieve 25.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	2.5 kg <i>(55.6%)</i>	81 %	4
Grain	Płatki pszeniczne	2 kg <i>(44.4%)</i>	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	10 g	60 min	15.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
FM20 Białe Walonki	Wheat	Liquid	30 ml	Fermentum Mobile

Extras

Туре	Name	Amount	Use for	Time
Spice	KOLENDRA	6 g	Boil	5 min
Spice	CURACAO	25 g	Boil	5 min