Hoppy Sour

- Gravity 10 BLG
- ABV 4 %
- IBU 2
- SRM **3.2**
- Style Berliner Weisse

Batch size

- Expected quantity of finished beer 11 liter(s)
- Trub loss 5 %
- Size with trub loss 11.6 liter(s)
- · Boil time 30 min
- Evaporation rate 20 %/h
- Boil size 13.3 liter(s)

Mash information

- Mash efficiency 70 %
- Liquor-to-grist ratio 4 liter(s) / kg
- Mash size 8.8 liter(s)
- Total mash volume 11 liter(s)

Steps

- Temp 36 C, Time 20 min
 Temp 52 C, Time 50 min
 Temp 67 C, Time 30 min
- Temp 78 C, Time 20 min

Mash step by step

- Heat up 8.8 liter(s) of strike water to 38C
- Add grains
- Keep mash 20 min at 36C
- Keep mash 50 min at 52C
- Keep mash 30 min at 67C
- Keep mash 20 min at 78C
- Sparge using 6.7 liter(s) of 76C water or to achieve 13.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Płatki owsiane	0.22 kg <i>(10%)</i>	60 %	3
Grain	Pszeniczny	1.1 kg <i>(50%)</i>	85 %	4
Grain	Pilzneński	0.88 kg <i>(40%)</i>	81 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Whirlpool	Nelson Sauvin	30 g	1 min	11 %

Yeasts

Name	Туре	Form	Amount	Laboratory
FM51 Grodzie Dębowe	Wheat	Slant	80 ml	Fermentum Mobile
Lactobacillus plantarum	Ale	Dry	3 g	Bakterie

Notes

• Chlorki +70 Siarczany + 110

