

Hoppy sour

- Gravity **8 BLG**
- ABV **3.1 %**
- IBU **10**
- SRM **2.3**
- Style **Berliner Weisse**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **20.7 liter(s)**
- Boil time **65 min**
- Evaporation rate **10 %/h**
- Boil size **24.9 liter(s)**

Mash information

- Mash efficiency **90 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **10 liter(s)**
- Total mash volume **12.5 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **80 C**, Time **5 min**

Mash step by step

- Heat up **10 liter(s)** of strike water to **74C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **5 min** at **80C**
- Sparge using **17.4 liter(s)** of **76C** water or to achieve **24.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	1.5 kg (60%)	81 %	4
Grain	Pszeniczny	1 kg (40%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Whirlpool	Wai-iti	50 g	8 min	4.1 %
Dry Hop	Nelson Sauvín	100 g	6 day(s)	11 %
Dry Hop	Wai-iti	50 g	6 day(s)	4.1 %
Boil	Lublin (Lubelski)	10 g	60 min	4 %
Boil	Lublin (Lubelski)	10 g	5 min	4 %

Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Slant	150 ml	---