

Niedokwaszony

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **54**
- SRM **16.2**
- Style **Berliner Weisse**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **70 min**
- Evaporation rate **8.5 %/h**
- Boil size **19 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

Steps

- Temp **66 C**, Time **40 min**
- Temp **73 C**, Time **30 min**

Mash step by step

- Heat up **12 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **40 min** at **66C**
- Keep mash **30 min** at **73C**
- Sparge using **11 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Monachijski	2.9 kg (72.5%)	80 %	16
Grain	Acid Malt	1 kg (25%)	58.7 %	6
Grain	Strzegom Czekoladowy ciemny	0.1 kg (2.5%)	68 %	1200

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Cascade PL	75 g	50 min	5.2 %
Dry Hop	Chinook	25 g	10 day(s)	13 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	10 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
Spice	Sól jodowana	15 g	Boil	5 min