

Wir pomyślności

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **24**
- SRM **7.6**
- Style **Saison**

Batch size

- Expected quantity of finished beer **28 liter(s)**
- Trub loss **5 %**
- Size with trub loss **29.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **35.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.1 liter(s)**
- Total mash volume **26.8 liter(s)**

Steps

- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **20.1 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **40 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **22 liter(s)** of **76C** water or to achieve **35.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	3.7 kg (55.2%)	82 %	4
Grain	Viking Munich Malt	1 kg (14.9%)	78 %	18
Grain	Acid Malt	0.1 kg (1.5%)	58.7 %	6
Grain	Karmelowy 50	1.3 kg (19.4%)	75 %	50
Grain	Płatki owsiane	0.6 kg (9%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	20 g	60 min	8.8 %
Aroma (end of boil)	Simcoe	25 g	5 min	13.2 %
Aroma (end of boil)	Herkules	15 g	5 min	20 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safbrew T-58	Ale	Dry	11.5 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
Spice	Curacao	20 g	Boil	20 min