

Świeżak

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **10**
- SRM **3.5**
- Style **Weizen/Weissbier**

Batch size

- Expected quantity of finished beer **11.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **17 %/h**
- Boil size **14.9 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **8.4 liter(s)**
- Total mash volume **10.8 liter(s)**

Steps

- Temp **44 C**, Time **20 min**
- Temp **63 C**, Time **45 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **8.4 liter(s)** of strike water to **47.4C**
- Add grains
- Keep mash **20 min** at **44C**
- Keep mash **45 min** at **63C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **8.9 liter(s)** of **76C** water or to achieve **14.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	1.7 kg (70.8%)	85 %	4.5
Grain	Strzegom Pilzneński	0.7 kg (29.2%)	80 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	7.5 g	60 min	6.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Wyeast - Weihenstephan Weizen	Ale	Liquid	60 ml	Wyeast Labs