

Weizen

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **14**
- SRM **4.7**
- Style **Weizen/Weissbier**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **75 min**
- Evaporation rate **10 %/h**
- Boil size **19.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **11.7 liter(s)**
- Total mash volume **15.6 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 **1 min**

Mash step by step

- Heat up **11.7 liter(s)** of strike water to **48C**
- Add grains
- Keep mash **20 min** at **44C**
- Keep mash **45 min** at **63C**
- Keep mash **20 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **11.7 liter(s)** of **76C** water or to achieve **19.5 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pszeniczny	2.5 kg (62.5%)	81 %	6
Grain	Strzegom Pilzneński	1.25 kg (31.3%)	80 %	4
Grain	Carahell	0.15 kg (3.8%)	77 %	26
Adjunct	łuska ryżowa	0.1 kg (2.5%)	--- %	---

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	15 g	60 min	6.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM41 Gwoździe i Banany	Wheat	Liquid	30 ml	Fermentum Mobile