

American

- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **27**
- SRM **4.2**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **10 %**
- Size with trub loss **30 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **35.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **23.8 liter(s)**
- Total mash volume **31.8 liter(s)**

Steps

- Temp **67 C**, Time **60 min**

Mash step by step

- Heat up **23.8 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **20 liter(s)** of **76C** water or to achieve **35.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Briess - Pilsen Malt	3.5 kg (44%)	80.5 %	2
Grain	Pszeniczny	3.5 kg (44%)	85 %	4
Grain	Strzegom Karmel 30	0.35 kg (4.4%)	75 %	30
Grain	Zakwaszajacy	0.6 kg (7.5%)	80 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	20 g	60 min	10 %
Aroma (end of boil)	Marynka	50 g	10 min	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
S04	Ale	Dry	11 g	---