

28.02.2023

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **28**
- SRM **9.1**

Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21.7 liter(s)**
- Total mash volume **27.9 liter(s)**

Steps

- Temp **62 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **21.7 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **60 min** at **62C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **16.2 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	5 kg (80.6%)	79 %	6
Grain	Wiedeński	1 kg (16.1%)	79 %	10
Grain	Strzegom karmel 400	0.2 kg (3.2%)	68 %	400

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	20 g	60 min	11.8 %
Boil	Lublin (Lubelski)	25 g	15 min	6 %
Aroma (end of boil)	Lublin (Lubelski)	25 g	0 min	6 %

Yeasts

Name	Type	Form	Amount	Laboratory
Lallemand - LalBrew Voss Kveik	Ale	Slant	150 ml	---

Extras

Type	Name	Amount	Use for	Time
Fining	Whirlfloc T	0.5 g	Boil	15 min