

Czołg

- Gravity **9.5 BLG**
- ABV **3.7 %**
- IBU **21**
- SRM **3.7**
- Style **Berliner Weisse**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **25.2 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **16.8 liter(s)**
- Total mash volume **21 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **16.8 liter(s)** of strike water to **72.9C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **78C**
- Sparge using **12.6 liter(s)** of **76C** water or to achieve **25.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3 kg (71.4%)	80 %	5
Grain	Pszeniczny	1 kg (23.8%)	85 %	4
Grain	Caramel/Crystal Malt - 10L	0.2 kg (4.8%)	75 %	20

Hops

Use for	Name	Amount	Time	Alpha acid
Whirlpool	Mosaic	100 g	10 min	10 %
Dry Hop	Mosaic	100 g	2 day(s)	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
Other	Wildbrew Sour Pitch Lallemand	3 g	Mash	24 min