

The Waiter by Brokreacja

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **42**
- SRM **30.1**
- Style **Sweet Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **75 min**
- Evaporation rate **10 %/h**
- Boil size **25.9 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.7 liter(s)**
- Total mash volume **19.6 liter(s)**

Steps

- Temp **68.5 C**, Time **75 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **14.7 liter(s)** of strike water to **76.6C**
- Add grains
- Keep mash **75 min** at **68.5C**
- Keep mash **5 min** at **78C**
- Sparge using **16.1 liter(s)** of **76C** water or to achieve **25.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.3 kg (67.3%)	80 %	5
Grain	Strzegom Monachijski typ II	1 kg (20.4%)	80 %	22
Grain	Strzegom Czekoladowy ciemny	0.25 kg (5.1%)	68 %	1200
Grain	Strzegom Czekoladowy jasny	0.25 kg (5.1%)	68 %	400
Grain	Carafa III	0.1 kg (2%)	80 %	1400

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	20 g	60 min	13.5 %
Boil	Magnum	10 g	30 min	13.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
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Other	laktoza	500 g	Boil	5 min
Spice	cocoa nibs	100 g	Secondary	14 day(s)