

Best Bitter So Far

- Gravity **9.8 BLG**
- ABV **3.8 %**
- IBU **31**
- SRM **8.7**
- Style **Special/Best/Premium Bitter**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 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 **66 C**, Time **60 min**

Mash step by step

- Heat up **11.7 liter(s)** of strike water to **73.6C**
- Add grains
- Keep mash **60 min** at **66C**
- Sparge using **18.6 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	3.5 kg (90%)	80 %	4
Grain	Strzegom Karmel 300	0.2 kg (5.1%)	70 %	299
Grain	Strzegom Czekoladowy jasny	0.04 kg (1%)	68 %	400
Grain	Płatki pszeniczne	0.15 kg (3.9%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Challenger	30 g	60 min	7 %
Boil	Challenger	30 g	5 min	7 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	7 g	Safale