

SWEET

- Gravity **14 BLG**
- ABV ---
- IBU **31**
- SRM **40**
- 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 **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.1 liter(s)**
- Total mash volume **21.4 liter(s)**

Steps

- Temp **66 C**, Time **50 min**
- Temp **72 C**, Time **20 min**

Mash step by step

- Heat up **16.1 liter(s)** of strike water to **73.6C**
- Add grains
- Keep mash **50 min** at **66C**
- Keep mash **20 min** at **72C**
- Sparge using **14.6 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	3.5 kg (65.4%)	79 %	6
Grain	Strzegom Pilzniejszy	1 kg (18.7%)	80 %	4
Grain	Strzegom Karmel 30	0.25 kg (4.7%)	75 %	30
Grain	Jęczmień palony	0.4 kg (7.5%)	55 %	985
Grain	Strzegom Barwiący	0.2 kg (3.7%)	68 %	1300

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	25 g	50 min	10 %
Boil	Lublin (Lubelski)	40 g	5 min	4 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Safale

Extras

Type	Name	Amount	Use for	Time
Other	płatki owsiane	350 g	Mash	20 min
Flavor	laktoza	500 g	Boil	15 min