

Sweet Stout

- Gravity **16.1 BLG**
- ABV **6.8 %**
- IBU **31**
- SRM **37.7**
- Style **Sweet Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **15 %**
- Size with trub loss **23 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.5 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.4 liter(s)**
- Total mash volume **24.6 liter(s)**

Steps

- Temp **65 C**, Time **90 min**

Mash step by step

- Heat up **18.4 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **90 min** at **65C**
- Sparge using **15.3 liter(s)** of **76C** water or to achieve **27.5 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (75.2%)	80 %	5
Grain	Strzegom Czekoladowy ciemny	0.6 kg (9%)	68 %	1200
Grain	Strzegom Karmel 30	0.35 kg (5.3%)	75 %	30
Grain	Strzegom Karmel 600	0.2 kg (3%)	68 %	601
Sugar	Milk Sugar (Lactose)	0.5 kg (7.5%)	76.1 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	35 g	60 min	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11 g	Safale