

Sweet Stout

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **13**
- SRM **37.3**
- 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 **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.8 liter(s)**
- Total mash volume **22.4 liter(s)**

Steps

- Temp **68 C**, Time **90 min**

Mash step by step

- Heat up **16.8 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **90 min** at **68C**
- Sparge using **14.1 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|----------------|-------|------|
| Grain | Viking Pale Ale malt | 2.1 kg (37.5%) | 80 % | 5 |
| Grain | Strzegom Monachijski typ II | 1.4 kg (25%) | 79 % | 22 |
| Grain | Cara Ruby Castle | 0.4 kg (7.1%) | 72 % | 49 |
| Grain | Strzegom Czekoladowy 400 | 0.3 kg (5.4%) | 68 % | 400 |
| Grain | Pszeniczny Czekoladowy | 0.2 kg (3.6%) | 73 % | 1001 |
| Grain | Strzegom Karmel 150 | 0.2 kg (3.6%) | 75 % | 150 |
| Grain | Strzegom Karmel 600 | 0.2 kg (3.6%) | 68 % | 601 |
| Grain | Strzegom Barwiący | 0.2 kg (3.6%) | 68 % | 1300 |
| Grain | zakwaszający | 0.1 kg (1.8%) | --- % | --- |
| Grain | Słód owsiany Fawcett | 0.5 kg (8.9%) | 61 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|----------|--------|--------|------------|
| Boil | Minstrel | 30 g | 60 min | 4.1 % |
| Aroma (end of boil) | Minstrel | 20 g | 0 min | 4.1 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|---------|--------|------------|
| Safale S-04 | Ale | Culture | 800 g | Safale |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------|----------|---------|--------|
| Flavor | laktoza | 454.55 g | Boil | 15 min |
| Fining | mech irlandzki | 5 g | Boil | 15 min |