

Milk stout z dodatkami

- Gravity **14.3 BLG**
- ABV ---
- IBU **25**
- SRM **43.6**
- Style **Sweet Stout**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **12.7 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **10.5 liter(s)**
- Total mash volume **13.5 liter(s)**

Steps

- Temp **68 C**, Time **75 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **10.5 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **75 min** at **68C**
- Keep mash **5 min** at **76C**
- Sparge using **5.2 liter(s)** of **76C** water or to achieve **12.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------------|---------------|--------|------|
| Grain | Pilzneński | 2 kg (60.6%) | 81 % | 4 |
| Grain | Płatki owsiane | 0.2 kg (6.1%) | 85 % | 3 |
| Grain | Weyermann - Carapils | 0.2 kg (6.1%) | 78 % | 4 |
| Grain | Crystal malt | 0.2 kg (6.1%) | 75 % | 150 |
| Grain | Fawcett - Pszeniczny Czekoladowy | 0.2 kg (6.1%) | 3 % | 1001 |
| Grain | Strzegom Barwiący obłuszczony | 0.2 kg (6.1%) | 1 % | 1300 |
| Sugar | Milk Sugar (Lactose) | 0.3 kg (9.1%) | 76.1 % | 0 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------|--------|--------|------------|
| Boil | lunga | 12 g | 60 min | 10 % |

Yeasts

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

Extras

Recipe has been printed via **BREWNES.com** - a complex online solution for homebrewers to track brewing process easily.

| Type | Name | Amount | Use for | Time |
|--------|--------------------------------|--------|-----------|----------|
| Fining | Wirfloc | 1 g | Boil | 5 min |
| Flavor | Skrórka pomarańczy (suszona) | 5 g | Boil | 5 min |
| Flavor | Skórka pomarańczy (macerowana) | 5 g | Secondary | 5 day(s) |