

# Chocolate Milk Stout

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **20**
- SRM **42.1**
- Style **Sweet Stout**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.1 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**

## Mash step by step

- Heat up **15 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **17.1 liter(s)** of **76C** water or to achieve **27.1 liter(s)** of wort

## Fermentables

| Type  | Name                                   | Amount        | Yield  | EBC  |
|-------|----------------------------------------|---------------|--------|------|
| Grain | Viking Pale Ale malt                   | 4 kg (72.7%)  | 80 %   | 5    |
| Grain | Strzegom<br>Czekoladowy ciemny         | 0.4 kg (7.3%) | 68 %   | 1000 |
| Grain | Fawcett -<br>Pszeniczny<br>Czekoladowy | 0.4 kg (7.3%) | 73 %   | 1001 |
| Sugar | Milk Sugar (Lactose)                   | 0.5 kg (9.1%) | 76.1 % | 0    |
| Grain | Jęczmień palony                        | 0.2 kg (3.6%) | 55 %   | 985  |

## Hops

| Use for | Name              | Amount | Time   | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil    | Lublin (Lubelski) | 50 g   | 60 min | 4 %        |

## Yeasts

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