

Chocolate Milk Stout (baza The Waiter by Brokreacja)

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **39**
- SRM **31.6**
- Style **Sweet Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.8 liter(s)**
- Boil time **75 min**
- Evaporation rate **8 %/h**
- Boil size **25.1 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **18.5 liter(s)**
- Total mash volume **23.1 liter(s)**

Steps

- Temp **68.5 C**, Time **75 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **18.5 liter(s)** of strike water to **74.6C**
- Add grains
- Keep mash **75 min** at **68.5C**
- Keep mash **5 min** at **78C**
- Sparge using **11.2 liter(s)** of **76C** water or to achieve **25.1 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------------|--|----------------|--------|------|
| Grain | Weyermann - Pale Ale Malt | 2.7 kg (49.4%) | 85 % | 7 |
| Grain | Monachijski typ II 20-25 EBC Weyermann | 1 kg (18.3%) | 80 % | 20 |
| Dry Extract | Dry Extract (DME) - Light | 0.3 kg (5.5%) | 95 % | 16 |
| Grain | Weyermann - Chocolate Wheat | 0.25 kg (4.6%) | 74 % | 788 |
| Grain | Fawcett - Pale Chocolate | 0.25 kg (4.6%) | 71 % | 600 |
| Grain | Fawcett - Brown | 0.25 kg (4.6%) | 72 % | 180 |
| Grain | Black (Patent) Malt | 0.08 kg (1.5%) | 55 % | 985 |
| Grain | Weyermann - Carafa III | 0.1 kg (1.8%) | 70 % | 1024 |
| Sugar | Milk Sugar (Lactose) | 0.54 kg (9.9%) | 76.1 % | 0 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------|--------|--------|------------|
| Boil | Magnum | 20 g | 60 min | 13.5 % |
| Boil | Magnum | 10 g | 30 min | 13.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 11.5 g | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|--------|------------|--------|-----------|-----------|
| Flavor | Cocoa Nibs | 100 g | Secondary | 14 day(s) |