

Coffe milk stout

- Gravity **19.3 BLG**
- ABV **8.4 %**
- IBU **16**
- SRM **27.1**
- Style **Sweet Stout**

Batch size

- Expected quantity of finished beer **26 liter(s)**
- Trub loss **5 %**
- Size with trub loss **28.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **32.9 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.1 liter(s) / kg**
- Mash size **22.9 liter(s)**
- Total mash volume **33.8 liter(s)**

Steps

- Temp **67 C**, Time **70 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **22.9 liter(s)** of strike water to **78.2C**
- Add grains
- Keep mash **70 min** at **67C**
- Keep mash **10 min** at **76C**
- Sparge using **20.9 liter(s)** of **76C** water or to achieve **32.9 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|----------------|-------|------|
| Grain | Strzegom Pale Ale | 5 kg (45.9%) | 75 % | 6 |
| Grain | Strzegom Monachijski typ II | 3 kg (27.5%) | 75 % | 22 |
| Grain | Karmelowy żytni Strzegom | 1 kg (9.2%) | 70 % | 150 |
| Grain | Płatki owsiane | 0.15 kg (1.4%) | 85 % | 3 |
| Grain | Strzegom Pilzneński | 1 kg (9.2%) | 80 % | 4 |
| Grain | Carafa III | 0.25 kg (2.3%) | 70 % | 1034 |
| Grain | Strzegom Karmel 600 | 0.2 kg (1.8%) | 68 % | 601 |
| Grain | Strzegom Karmel 30 | 0.3 kg (2.8%) | 75 % | 30 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Equinox | 20 g | 50 min | 13 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---------------------------|------|--------|---------|------------------|
| FM13 Irlandzkie Ciemności | Ale | Liquid | 1000 ml | Fermentum Mobile |

Extras

| Type | Name | Amount | Use for | Time |
|--------|------------|--------|-----------|----------|
| Spice | Cacao nibs | 100 g | Secondary | 3 day(s) |
| Spice | Kawa | 50 g | Boil | 2 min |
| Spice | Kawa | 100 g | Secondary | 2 day(s) |
| Flavor | Laktoza | 1000 g | Boil | 5 min |
| Flavor | Laktoza | 500 g | Secondary | 2 day(s) |