

#15 Oatmeal chocolate stout

- Gravity **15.3 BLG**
- ABV ---
- IBU **44**
- SRM **40**
- Style **Oatmeal Stout**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **10 %**
- Size with trub loss **24.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **20 %/h**
- Boil size **33 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.9 liter(s)**
- Total mash volume **25.2 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **18.9 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **78C**
- Sparge using **20.4 liter(s)** of **76C** water or to achieve **33 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|---------------|-------|------|
| Grain | Strzegom Pilzneński | 2 kg (31.7%) | 80 % | 4 |
| Grain | Strzegom Pale Ale | 2 kg (31.7%) | 79 % | 6 |
| Grain | Strzegom Czekoladowy 1200 | 0.6 kg (9.5%) | 68 % | 1202 |
| Grain | Strzegom Karmel 300 | 0.5 kg (7.9%) | 70 % | 299 |
| Grain | Strzegom Barwiący | 0.1 kg (1.6%) | 68 % | 1300 |
| Grain | Oats, Flaked | 1 kg (15.9%) | 80 % | 2 |
| Grain | Strzegom Czekoladowy jasny | 0.1 kg (1.6%) | 68 % | 400 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Marynka | 45 g | 70 min | 10 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
| s 04 | Ale | Dry | 12 g | --- |

Extras

| Type | Name | Amount | Use for | Time |
|--------|-------|--------|---------|--------|
| Flavor | kakao | 100 g | Boil | 30 min |