

Milk-Chocolate Oatmeal Stout

- Gravity **15.2 BLG**
- ABV **6.3 %**
- IBU **26**
- SRM **32.7**
- Style **Oatmeal Stout**

Batch size

- Expected quantity of finished beer **36 liter(s)**
- Trub loss **5 %**
- Size with trub loss **37.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **45.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **30 liter(s)**
- Total mash volume **40 liter(s)**

Steps

- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **30 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **10 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **25.5 liter(s)** of **76C** water or to achieve **45.5 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------------|----------------|--------|-----|
| Grain | Viking Pale Ale malt | 6 kg (54.5%) | 80 % | 5 |
| Grain | Płatki owsiane | 1.2 kg (10.9%) | 85 % | 3 |
| Grain | Słód owsiany Fawcett | 1.2 kg (10.9%) | 61 % | 5 |
| Grain | Czekoladowy Pszeniczny Wayermann | 1 kg (9.1%) | 65 % | 900 |
| Grain | Caraaroma Wayermann | 0.6 kg (5.5%) | 78 % | 400 |
| Sugar | Milk Sugar (Lactose) | 1 kg (9.1%) | 76.1 % | 0 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil | Marynka | 35 g | 30 min | 10 % |
| Boil | Lublin (Lubelski) | 35 g | 30 min | 4 % |
| Boil | Sybilla | 35 g | 30 min | 3.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|--------------|-----|-----|------|-----------|
| Safale US-05 | Ale | Dry | 23 g | Fermentis |
|--------------|-----|-----|------|-----------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|--------------------|--------|-----------|-----------|
| Flavor | Odtłuszczone kakao | 230 g | Secondary | 14 day(s) |