

# Casual Monday

- Gravity **16.8 BLG**
- ABV **7.1 %**
- IBU **22**
- SRM **69.4**
- Style **Oatmeal Stout**

## Batch size

- Expected quantity of finished beer **17.7 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.6 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **22.8 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **15 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **12.8 liter(s)** of **76C** water or to achieve **22.8 liter(s)** of wort

## Fermentables

| Type   | Name                      | Amount         | Yield | EBC |
|--|---------------------------|----------------|-------|-----|
| Grain  | Weyermann - Pale Ale Malt | 3 kg (50%)     | 85 %  | 7   |
| Grain  | Płatki owsiane            | 1 kg (16.7%)   | 60 %  | 3   |
| Grain  | Fawcett - Red Crystal     | 0.25 kg (4.2%) | 70 %  | 400 |
| Grain  | Fawcett - Pale Chocolate  | 0.25 kg (4.2%) | 71 %  | 600 |
| Adjunct  | Jęczmień palony Weyermann | 1 kg (16.7%)   | 55 %  | 985 |
| 1 kg jęczmienia palonego namaczamy w 3L wody źródlanej w lodówce przez 24h |                           |                |       |     |
| Grain  | Jęczmień palony Weyermann | 0.5 kg (8.3%)  | 55 %  | 985 |

## Hops

| Use for | Name    | Amount | Time   | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil    | Fuggles | 45 g   | 60 min | 4.5 %      |
| Boil    | Fuggles | 5 g    | 5 min  | 4.5 %      |

## Yeasts

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

|             |     |     |        |           |
|-------------|-----|-----|--------|-----------|
| Safale S-04 | Ale | Dry | 11.5 g | Fermentis |
|-------------|-----|-----|--------|-----------|