

# Owsiak

- Gravity **15 BLG**
- ABV **6.2 %**
- IBU **60**
- SRM **37.6**
- Style **Oatmeal Stout**

## Batch size

- Expected quantity of finished beer **40 liter(s)**
- Trub loss **5 %**
- Size with trub loss **44 liter(s)**
- Boil time **60 min**
- Evaporation rate **8 %/h**
- Boil size **51.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **38.9 liter(s)**
- Total mash volume **51.9 liter(s)**

## Steps

- Temp **67.5 C**, Time **40 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **10 min**

## Mash step by step

- Heat up **38.9 liter(s)** of strike water to **75.4C**
- Add grains
- Keep mash **40 min** at **67.5C**
- Keep mash **10 min** at **72C**
- Keep mash **10 min** at **76C**
- Sparge using **25.9 liter(s)** of **76C** water or to achieve **51.8 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount          | Yield | EBC  |
|-------|----------------------------|-----------------|-------|------|
| Grain | Strzegom Pilzneński        | 8 kg (61.7%)    | 80 %  | 4    |
| Grain | Strzegom Monachijski typ I | 1.5 kg (11.6%)  | 79 %  | 16   |
| Grain | Jęczmień palony            | 0.944 kg (7.3%) | 55 %  | 985  |
| Grain | Strzegom Czekoladowy jasny | 0.526 kg (4.1%) | 68 %  | 400  |
| Grain | Strzegom Karmel 600        | 0.25 kg (1.9%)  | 68 %  | 601  |
| Grain | Oats, Flaked               | 1.5 kg (11.6%)  | 80 %  | 2    |
| Grain | Strzegom Barwiący          | 0.25 kg (1.9%)  | 68 %  | 1300 |

## Hops

| Use for   | Name       | Amount | Time   | Alpha acid |
|-----------|------------|--------|--------|------------|
| Boil      | Chinook pl | 110 g  | 45 min | 10 %       |
| Boil      | Chinook pl | 50 g   | 10 min | 10 %       |
| Whirlpool | Chinook pl | 30 g   | 10 min | 10 %       |

## Yeasts

| <b>Name</b> | <b>Type</b> | <b>Form</b> | <b>Amount</b> | <b>Laboratory</b> |
|-------------|-------------|-------------|---------------|-------------------|
| Safale S-04 | Ale         | Dry         | 23 g          | Safale            |

### **Extras**

| <b>Type</b> | <b>Name</b>                | <b>Amount</b> | <b>Use for</b> | <b>Time</b> |
|-------------|----------------------------|---------------|----------------|-------------|
| Other       | cold brew arabica<br>coffe | 300 g         | Secondary      | 1 day(s)    |