

## Stout Owsiany (Browamator)

- Gravity **12.6 BLG**
- ABV ---
- IBU **28**
- SRM **44.2**
- Style **Oatmeal Stout**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.5 liter(s)**
- Total mash volume **18 liter(s)**

### Steps

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

### Mash step by step

- Heat up **13.5 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **16.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

| Type  | Name                      | Amount         | Yield | EBC |
|-------|---------------------------|----------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt | 3.2 kg (71.1%) | 85 %  | 7   |
| Grain | Płatki owsiane            | 0.5 kg (11.1%) | 85 %  | 3   |
| Grain | Caraaroma                 | 0.3 kg (6.7%)  | 78 %  | 400 |
| Grain | Jęczmień palony           | 0.3 kg (6.7%)  | 55 %  | 985 |
| Grain | Weyermann - Carafa I      | 0.2 kg (4.4%)  | 70 %  | 690 |

### Hops

| Use for | Name            | Amount | Time   | Alpha acid |
|---------|-----------------|--------|--------|------------|
| Boil    | English Golding | 30 g   | 55 min | 4.8 %      |
| Boil    | El Dorado       | 30 g   | 5 min  | 15 %       |

### Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 11.5 g | Safale     |