

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

| Name | Type | Form | Amount | Laboratory |
|-------------|-------------|-------------|---------------|-------------------|
| Safale S-04 | Ale | Dry | 23 g | Safale |

Extras

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