

Onyks

- Gravity **12.8 BLG**
- ABV ---
- IBU **8**
- SRM **40**
- Style **Oatmeal Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12 liter(s)**
- Total mash volume **16 liter(s)**

Steps

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

Mash step by step

- Heat up **12 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **17.3 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 |
| Adjunct | Oats, Flaked | 0.5 kg (11.1%) | 80 % | 2 |
| 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 | East Kent Golding | 15 g | 5 min | 5.7 % |
| Boil | East Kent Golding | 10 g | 40 min | 5.7 % |

Yeasts

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

Notes

- Zestaw surowców z browamator.pl
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