

Świąteczny stout owsiany

- Gravity **15.7 BLG**
- ABV **6.6 %**
- IBU **22**
- SRM **43.1**
- Style **Oatmeal Stout**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **15.9 liter(s)**

Mash information

- Mash efficiency **72 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.8 liter(s)**
- Total mash volume **17 liter(s)**

Steps

- Temp **66 C**, Time **45 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **12.8 liter(s)** of strike water to **73.6C**
- Add grains
- Keep mash **45 min** at **66C**
- Keep mash **30 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **7.4 liter(s)** of **76C** water or to achieve **15.9 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------------|----------------|--------|------|
| Grain | Castle malting - Maris Otter | 1.7 kg (40%) | 81 % | 6 |
| Grain | Wiedeński | 0.5 kg (11.8%) | 79 % | 10 |
| Grain | Płatki owsiane | 0.5 kg (11.8%) | 60 % | 3 |
| Grain | Słód owsiany | 0.4 kg (9.4%) | 61 % | 5 |
| Grain | Pszeniczny | 0.2 kg (4.7%) | 85 % | 4 |
| Grain | Special B Malt | 0.15 kg (3.5%) | 65.2 % | 315 |
| Grain | Biscuit Malt | 0.15 kg (3.5%) | 79 % | 45 |
| Grain | Brown Malt (British Chocolate) | 0.1 kg (2.4%) | 70 % | 128 |
| Grain | Pszeniczny Czekoladowy | 0.3 kg (7.1%) | 73 % | 1001 |
| Grain | Weyermann - Carafa I | 0.15 kg (3.5%) | 70 % | 690 |
| Grain | Jęczmień palony | 0.1 kg (2.4%) | 55 % | 985 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------|--------|--------|------------|
| Boil | lunga | 12 g | 60 min | 11.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 8 g | Fermentis |

Notes

- Słody palone dodane na początku przerwy 72 stopnie.
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