

Smoked Dry Stout

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **17**
- SRM **23.1**
- Style **Dry Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **30 min**
- Evaporation rate **10 %/h**
- Boil size **24.1 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.37 liter(s) / kg**
- Mash size **9.5 liter(s)**
- Total mash volume **12.3 liter(s)**

Steps

- Temp **68 C**, Time **60 min**
- Temp **79 C**, Time **5 min**

Mash step by step

- Heat up **9.5 liter(s)** of strike water to **75.1C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **5 min** at **79C**
- Sparge using **17.4 liter(s)** of **76C** water or to achieve **24.1 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|---------------------------------------|----------------|-------|-----|
| Grain | Castle Pale Ale | 0.7 kg (18.4%) | 80 % | 8 |
| Grain | Castle Malting - Pilzneński 6-rzędowy | 0.7 kg (18.4%) | 80 % | 5 |
| Grain | Weyermann - Smoked Malt | 0.7 kg (18.4%) | 81 % | 6 |
| Grain | Caramunich® typ I | 0.35 kg (9.2%) | 73 % | 80 |
| Grain | Carafa | 0.18 kg (4.7%) | 70 % | 664 |
| Liquid Extract | Gozdawa ekstrakt słodowy amber | 1 kg (26.2%) | 80 % | 225 |
| Grain | Melano Light Castle Malting | 0.18 kg (4.7%) | 81 % | 40 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------------------|--------|--------|------------|
| Boil | Sybilla | 20 g | 30 min | 3.5 % |
| Boil | East Kent Goldings | 10 g | 30 min | 5.1 % |
| Boil | East Kent Goldings | 20 g | 15 min | 5.1 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|---------------------------------------|-----|-------|--------|-----------|
| Safale S-04 | Ale | Slant | 150 ml | Fermentis |
| Gęstwa zebrana po fermentacji bittera | | | | |

Notes

- Wody wysłodkowe po Smoked RIS + dodany 1 kg ekstraktu słodowego
Feb 1, 2023, 10:40 PM