

# Foreign Smoked Stout - TwojBrowar.pl

- Gravity **16.4 BLG**
- ABV **6.9 %**
- IBU **40**
- SRM **41.7**
- Style **Foreign Extra Stout**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.4 liter(s) / kg**
- Mash size **24.1 liter(s)**
- Total mash volume **31.2 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**
- Temp **68 C**, Time **15 min**
- Temp **68 C**, Time **10 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **24.1 liter(s)** of strike water to **75.1C**
- Add grains
- Keep mash **15 min** at **68C**
- Keep mash **10 min** at **68C**
- Keep mash **60 min** at **68C**
- Keep mash **5 min** at **78C**
- Sparge using **14.7 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

## Fermentables

| Type    | Name                           | Amount          | Yield | EBC |
|---------|--------------------------------|-----------------|-------|-----|
| Grain   | Strzegom Pale Ale              | 4.13 kg (54.5%) | 79 %  | 6   |
| Grain   | Słód Wędzony Steinbach         | 1.25 kg (16.5%) | 80 %  | 5   |
| Grain   | Brown Malt (British Chocolate) | 0.4 kg (5.3%)   | 70 %  | 128 |
| Grain   | Chocolate Malt (UK)            | 0.4 kg (5.3%)   | 73 %  | 887 |
| Grain   | Fawcett - Pale Chocolate       | 0.4 kg (5.3%)   | 71 %  | 600 |
| Grain   | Jęczmień palony                | 0.5 kg (6.6%)   | 55 %  | 985 |
| Adjunct | Briess - Barley Flakes         | 0.5 kg (6.6%)   | 70 %  | 3   |

## Hops

| Use for | Name   | Amount | Time   | Alpha acid |
|---------|--------|--------|--------|------------|
| Boil    | Target | 50 g   | 60 min | 10.5 %     |

## Yeasts

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

|             |     |     |         |        |
|-------------|-----|-----|---------|--------|
| Safale S-04 | Ale | Dry | 14.38 g | Safale |
|-------------|-----|-----|---------|--------|