

# Porter

- Gravity **28.1 BLG**
- ABV **13.6 %**
- IBU **33**
- SRM **54.4**
- Style **Baltic Porter**

## Batch size

- Expected quantity of finished beer **11 liter(s)**
- Trub loss **10 %**
- Size with trub loss **12.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **14.1 liter(s)**

## Mash information

- Mash efficiency **33 %**
- Liquor-to-grist ratio **2 liter(s) / kg**
- Mash size **13.7 liter(s)**
- Total mash volume **20.5 liter(s)**

## Steps

- Temp **62 C**, Time **40 min**
- Temp **68 C**, Time **30 min**

## Mash step by step

- Heat up **13.7 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **40 min** at **62C**
- Keep mash **30 min** at **68C**
- Sparge using **7.3 liter(s)** of **76C** water or to achieve **14.1 liter(s)** of wort

## Fermentables

| Type  | Name                        | Amount         | Yield | EBC  |
|-------|-----------------------------|----------------|-------|------|
| Grain | Strzegom Pilzneński         | 4 kg (45.7%)   | 80 %  | 4    |
| Grain | Strzegom Karmel 150         | 0.25 kg (2.9%) | 75 %  | 150  |
| Grain | Strzegom Karmel 300         | 0.18 kg (2.1%) | 70 %  | 299  |
| Grain | Casle Malting Whisky Nature | 0.12 kg (1.4%) | 85 %  | 4    |
| Grain | Strzegom Wiedeński          | 1 kg (11.4%)   | 79 %  | 10   |
| Grain | Strzegom Czekoladowy ciemny | 0.5 kg (5.7%)  | 68 %  | 1200 |
| Sugar | Melasa                      | 0.4 kg (4.6%)  | 80 %  | 25   |
| Grain | Płatki pszeniczne           | 0.8 kg (9.1%)  | 85 %  | 3    |
| Sugar | Cukier                      | 1.5 kg (17.1%) | 100 % | 1    |

## Hops

| Use for   | Name    | Amount | Time   | Alpha acid |
|-----------|---------|--------|--------|------------|
| Boil      | Marynka | 30 g   | 60 min | 10 %       |
| Whirlpool | Simcoe  | 25 g   | 10 min | 13.2 %     |

## Yeasts

| <b>Name</b>                    | <b>Type</b> | <b>Form</b> | <b>Amount</b> | <b>Laboratory</b> |
|--------------------------------|-------------|-------------|---------------|-------------------|
| Wyeast - Trappist High Gravity | Ale         | Liquid      | 200 ml        | Wyeast Labs       |