

# zsyпки

- Gravity **23.1 BLG**
- ABV **10.5 %**
- IBU **100**
- SRM **50.1**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **12.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.6 liter(s)**
- Total mash volume **19.4 liter(s)**

## Steps

- Temp **64 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

## Mash step by step

- Heat up **14.6 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **10 min** at **76C**
- Sparge using **3 liter(s)** of **76C** water or to achieve **12.7 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount         | Yield  | EBC  |
|-------|----------------------------|----------------|--------|------|
| Grain | Viking Pale Ale malt       | 2.5 kg (51.4%) | 80 %   | 5    |
| Grain | Castle Cafe                | 0.1 kg (2.1%)  | 75.5 % | 480  |
| Grain | Carafa III                 | 0.26 kg (5.3%) | 70 %   | 1034 |
| Grain | Strzegom Monachijski typ I | 1 kg (20.6%)   | 79 %   | 16   |
| Grain | Strzegom pszenica prażona  | 0.25 kg (5.1%) | 70 %   | 1000 |
| Grain | Strzegom Bursztynowy       | 0.25 kg (5.1%) | 70 %   | 49   |
| Grain | Płatki pszeniczne          | 0.5 kg (10.3%) | 85 %   | 3    |

## Hops

| Use for | Name    | Amount | Time   | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil    | Marynka | 30 g   | 60 min | 10 %       |
| Boil    | Simcoe  | 20 g   | 30 min | 13.2 %     |
| Boil    | Citra   | 20 g   | 30 min | 12 %       |
| Boil    | Simcoe  | 10 g   | 0 min  | 13.2 %     |
| Boil    | Citra   | 10 g   | 0 min  | 12 %       |

## Yeasts

| <b>Name</b> | <b>Type</b> | <b>Form</b> | <b>Amount</b> | <b>Laboratory</b> |
|-------------|-------------|-------------|---------------|-------------------|
| Safale S-04 | Ale         | Slant       | 15 ml         | Safale            |