

## RIS

- Gravity **30.6 BLG**
- ABV **15.2 %**
- IBU **73**
- SRM **61.8**
- Style **Russian Imperial Stout**

### Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **27.7 liter(s)**

### Mash information

- Mash efficiency **68 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **28.8 liter(s)**
- Total mash volume **40.3 liter(s)**

### Fermentables

| Type           | Name                             | Amount         | Yield  | EBC  |
|----------------|----------------------------------|----------------|--------|------|
| Grain          | Viking Pale Ale malt             | 7.5 kg (54.7%) | 80 %   | 5    |
| Grain          | Strzegom Monachijski typ II      | 1 kg (7.3%)    | 79 %   | 22   |
| Grain          | Fawcett - Pszeniczny Czekoladowy | 0.3 kg (2.2%)  | 73 %   | 850  |
| Grain          | Jęczmień palony                  | 0.5 kg (3.6%)  | 55 %   | 1300 |
| Grain          | Weyermann - Dehusked Carafo III  | 0.35 kg (2.6%) | 70 %   | 1300 |
| Grain          | Castle Cafe                      | 0.3 kg (2.2%)  | 75.5 % | 250  |
| Grain          | Cara Ruby Castle                 | 0.3 kg (2.2%)  | 72 %   | 49   |
| Grain          | Caraaroma                        | 0.25 kg (1.8%) | 78 %   | 400  |
| Grain          | Weyermann - Carapils             | 0.3 kg (2.2%)  | 78 %   | 4    |
| Grain          | Kawowy                           | 0.2 kg (1.5%)  | 80 %   | 250  |
| Grain          | Fawcett - Brown                  | 0.3 kg (2.2%)  | 72 %   | 180  |
| Grain          | Słód Caramunich Typ II Weyermann | 0.2 kg (1.5%)  | 73 %   | 120  |
| Liquid Extract | WES ekstrakt słodowy jasny       | 1.7 kg (12.4%) | 80 %   | ---  |
| Sugar          | Glukoza                          | 0.5 kg (3.6%)  | 80 %   | ---  |

### Hops

| Use for | Name    | Amount | Time   | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil    | Marynka | 15 g   | 60 min | 8.8 %      |
| Boil    | Magnum  | 18 g   | 60 min | 11.5 %     |
| Boil    | Iunga   | 100 g  | 60 min | 11 %       |