

## #36 RIS

- Gravity **28.9 BLG**
- ABV ---
- IBU **56**
- SRM **76.6**
- Style **Russian Imperial Stout**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **36.3 liter(s)**
- Total mash volume **48.4 liter(s)**

### Steps

- Temp **66 C**, Time **90 min**

### Mash step by step

- Heat up **36.3 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **90 min** at **66C**
- Sparge using **1.1 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

| Type  | Name   | Amount        | Yield | EBC  |
|-------|--|---------------|-------|------|
| Grain | Strzegom Pale Ale                                | 5 kg (41.3%)  | 79 %  | 6    |
| Grain | Strzegom Monachijski typ I                       | 3 kg (24.8%)  | 79 %  | 16   |
| Grain | Palone ziarno jęczmienia Roasted Barley Strzegom | 0.6 kg (5%)   | 70 %  | 1000 |
| Grain | Słód Caramunich® typ II Weyermann®               | 0.5 kg (4.1%) | 73 %  | 120  |
| Grain | Weyermann - Carafa I                             | 0.5 kg (4.1%) | 70 %  | 690  |
| Grain | Caraaroma  | 0.5 kg (4.1%) | 78 %  | 400  |
| Grain | Płatki pszeniczne                                | 0.5 kg (4.1%) | 85 %  | 3    |
| Grain | płatki jęczmienne                                | 0.5 kg (4.1%) | 85 %  | 4    |
| Grain | Płatki owsiane                                   | 1 kg (8.3%)   | 85 %  | 3    |

### Hops

| Use for             | Name              | Amount | Time   | Alpha acid |
|---------------------|-------------------|--------|--------|------------|
| Boil                | Marynka           | 80 g   | 90 min | 10 %       |
| Aroma (end of boil) | Lublin (Lubelski) | 50 g   | 5 min  | 4 %        |

### Yeasts

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

|                      |     |       |        |         |
|----------------------|-----|-------|--------|---------|
| Danstar - Nottingham | Ale | Slant | 500 ml | Danstar |
|----------------------|-----|-------|--------|---------|

### Extras

| Type   | Name                                    | Amount | Use for   | Time      |
|--------|---|--------|-----------|-----------|
| Spice  | Macerowane laski wanilii 3szt.          | 30 g   | Secondary | 10 day(s) |
| Flavor | Macerowane płatki z beczki po Bourbonie | 50 g   | Secondary | 10 day(s) |