

WHY RIS

- Gravity **27 BLG**
- ABV **12.9 %**
- IBU **69**
- SRM **39.1**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.2 liter(s)**
- Boil time **75 min**
- Evaporation rate **10 %/h**
- Boil size **20.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.6 liter(s) / kg**
- Mash size **22.4 liter(s)**
- Total mash volume **31 liter(s)**

Steps

- Temp **68 C**, Time **90 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **22.4 liter(s)** of strike water to **77.2C**
- Add grains
- Keep mash **90 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **6.5 liter(s)** of **76C** water or to achieve **20.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|----------------|-------|------|
| Grain | Weyermann - Pale Ale Malt | 4.5 kg (52.3%) | 85 % | 7 |
| Grain | Monachijski | 1.5 kg (17.4%) | 80 % | 16 |
| Grain | Płatki owsiane | 0.5 kg (5.8%) | 85 % | 3 |
| Grain | Płatki pszeniczne | 0.5 kg (5.8%) | 85 % | 3 |
| Grain | Carafa II | 0.2 kg (2.3%) | 70 % | 812 |
| Grain | special X | 0.25 kg (2.9%) | 70 % | 300 |
| Grain | Strzegom Czekoladowy ciemny | 0.2 kg (2.3%) | 68 % | 1200 |
| Grain | Fawcett - Pale Chocolate | 0.2 kg (2.3%) | 71 % | 600 |
| Grain | płatki jęczmienne | 0.5 kg (5.8%) | 85 % | 4 |
| Grain | Strzegom pszenica prażona | 0.25 kg (2.9%) | 70 % | 8 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------------------|--------|--------|------------|
| Boil | lunga | 75 g | 60 min | 11 % |
| Boil | East Kent Goldings | 30 g | 10 min | 5.1 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|-------|--------|------------|
| wayest 1056 | Ale | Slant | 300 ml | --- |

Extras

| Type | Name | Amount | Use for | Time |
|--------|-------------------------|--------|-----------|-----------|
| Flavor | płatki dębowe whisky | 50 g | Secondary | 14 day(s) |