

RiSiwo

- Gravity **27.2 BLG**
- ABV ---
- IBU **90**
- SRM **52.2**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22.8 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **28.4 liter(s)**

Mash information

- Mash efficiency **76 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **35.1 liter(s)**
- Total mash volume **46.8 liter(s)**

Steps

- Temp **66.5 C**, Time **60 min**
- Temp **75.6 C**, Time **10 min**

Mash step by step

- Heat up **35.1 liter(s)** of strike water to **74.3C**
- Add grains
- Keep mash **60 min** at **66.5C**
- Keep mash **10 min** at **75.6C**
- Sparge using **5 liter(s)** of **76C** water or to achieve **28.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------------|----------------|--------|------|
| Grain | Strzegom - Pale Ale | 5 kg (42.7%) | 79 % | 5 |
| Grain | Weyermann - Monachijski typ II | 3.5 kg (29.9%) | 79 % | 20 |
| Grain | Palone ziarna jęczmienia | 0.6 kg (5.1%) | 55 % | 1100 |
| Grain | Weyermann - Caraaroma | 0.5 kg (4.3%) | 75 % | 300 |
| Grain | Weyermann - Caramunich typ II | 0.5 kg (4.3%) | 71.7 % | 110 |
| Grain | Weyermann - Carafa I | 0.4 kg (3.4%) | 70 % | 800 |
| Grain | Płatki pszeniczne błyskawiczne | 0.4 kg (3.4%) | 70 % | 3 |
| Grain | Płatki jęczmienne błyskawiczne | 0.4 kg (3.4%) | 70 % | 3 |
| Grain | Płatki owsiane błyskawiczne | 0.4 kg (3.4%) | 80 % | 2 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Marynka | 45 g | 90 min | 10 % |

| | | | | |
|------|-------------------|------|--------|--------|
| Boil | lunga | 45 g | 60 min | 11 % |
| Boil | Lublin (Lubelski) | 45 g | 30 min | 4 % |
| Boil | Enigma (AUS) | 15 g | 20 min | 17.2 % |
| Boil | Ella (AUS) | 15 g | 15 min | 14.6 % |
| Boil | Galaxy | 15 g | 10 min | 15 % |