

RIS ME

- Gravity **26.4 BLG**
- ABV **12.5 %**
- IBU **23**
- SRM **88.3**
- 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 **48.5 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **27.6 liter(s)**
- Total mash volume **36.8 liter(s)**

Steps

- Temp **66.2 C**, Time **60 min**
- Temp **68 C**, Time **10 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **27.6 liter(s)** of strike water to **73.9C**
- Add grains
- Keep mash **60 min** at **66.2C**
- Keep mash **10 min** at **68C**
- Keep mash **10 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **-5.7 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 | 5 kg (54.3%) | 80 % | 5 |
| Grain | Strzegom Wiedeński | 0.5 kg (5.4%) | 79 % | 10 |
| Grain | Strzegom Karmel 300 | 0.5 kg (5.4%) | 70 % | 299 |
| Grain | Strzegom Pszeniczny | 0.5 kg (5.4%) | 81 % | 6 |
| Grain | Strzegom Czekoladowy 400 | 0.5 kg (5.4%) | 68 % | 400 |
| Grain | Black (Patent) Malt | 0.5 kg (5.4%) | 55 % | 985 |
| Grain | Carafa III | 0.5 kg (5.4%) | 70 % | 1034 |
| Grain | Płatki owsiane | 1 kg (10.9%) | 60 % | 3 |
| Grain | Płatki pszeniczne | 0.2 kg (2.2%) | 60 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil | Lublin (Lubelski) | 30 g | 60 min | 4 % |
| Boil | Lublin (Lubelski) | 25 g | 20 min | 4 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------------|------|------|--------|------------|
| Safale S-04 | Ale | Dry | 11 g | Fermentis |
| Mauribrew Ale Y514 | Ale | Dry | 11 g | AB Mauri |

Extras

| Type | Name | Amount | Use for | Time |
|--------|---------------|--------|---------|-----------|
| Flavor | płatki dębowe | 50 g | Primary | 10 day(s) |