

# RIS

---

- Gravity **27 BLG**
- ABV **12.9 %**
- IBU **66**
- SRM **53.9**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **36.8 liter(s)**
- Total mash volume **51.5 liter(s)**

## Steps

- Temp **66 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **36.8 liter(s)** of strike water to **75.2C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **10 min** at **78C**
- Sparge using **9.6 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

## Fermentables

| Type  | Name                        | Amount        | Yield | EBC  |
|-------|-----------------------------|---------------|-------|------|
| Grain | Viking Pale Ale malt        | 9 kg (61.2%)  | 80 %  | 5    |
| Grain | Strzegom Monachijski typ II | 2 kg (13.6%)  | 79 %  | 22   |
| Grain | Pszeniczny                  | 1 kg (6.8%)   | 85 %  | 4    |
| Grain | Płatki owsiane              | 1 kg (6.8%)   | 60 %  | 3    |
| Grain | Strzegom Czekoladowy ciemny | 0.5 kg (3.4%) | 68 %  | 1200 |
| Grain | Jęczmień palony             | 0.5 kg (3.4%) | 55 %  | 985  |
| Grain | Strzegom Karmel 600         | 0.5 kg (3.4%) | 68 %  | 601  |
| Grain | Carafa III                  | 0.2 kg (1.4%) | 70 %  | 1034 |

## Hops

| Use for | Name   | Amount | Time   | Alpha acid |
|---------|--------|--------|--------|------------|
| Boil    | Magnum | 100 g  | 60 min | 13.5 %     |

## Yeasts

| Name         | Type | Form  | Amount | Laboratory |
|--------------|------|-------|--------|------------|
| Safale US-05 | Ale  | Slant | 800 ml | Fermentis  |

## Extras

| Type   | Name          | Amount | Use for   | Time     |
|--------|---------------|--------|-----------|----------|
| Flavor | Płatki dębowe | 50 g   | Secondary | 7 day(s) |