

# RIS bebok

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- Gravity **23.1 BLG**
- ABV **10.5 %**
- IBU ---
- SRM **37.8**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **660 liter(s)**
- Trub loss **1 %**
- Size with trub loss **666.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **1 %/h**
- Boil size **679.9 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **867 liter(s)**
- Total mash volume **1156 liter(s)**

## Steps

- Temp **66 C**, Time **70 min**
- Temp **68 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **867 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **70 min** at **66C**
- Keep mash **15 min** at **68C**
- Keep mash **5 min** at **78C**
- Sparge using **101.9 liter(s)** of **76C** water or to achieve **679.9 liter(s)** of wort

## Fermentables

| Type  | Name   | Amount         | Yield | EBC  |
|-------|--|----------------|-------|------|
| Grain | Weyermann - Pale Ale Malt                    | 176 kg (60.9%) | 85 %  | 7    |
| Grain | Monachijski typ II<br>20-25 EBC<br>Weyermann | 68 kg (23.5%)  | 80 %  | 20   |
| Grain | Caraaroma                                    | 18 kg (6.2%)   | 78 %  | 400  |
| Grain | Weyermann -<br>Melanoiden Malt               | 12 kg (4.2%)   | 81 %  | 53   |
| Grain | Weyermann -<br>Carafa II                     | 7 kg (2.4%)    | 70 %  | 837  |
| Grain | Weyermann -<br>Carafa I                      | 3 kg (1%)      | 70 %  | 690  |
| Grain | Carafa III                                   | 5 kg (1.7%)    | 70 %  | 1034 |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 11 g   | Safale     |

## Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

|       |          |        |           |          |
|-------|----------|--------|-----------|----------|
| Spice | habanero | 2.88 g | Boil      | 15 min   |
| Spice | habanero | 2 g    | Secondary | 5 day(s) |