

# Ruski

- Gravity **23.8 BLG**
- ABV **10.9 %**
- IBU **218**
- SRM **38.8**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **120 min**
- Evaporation rate **10 %/h**
- Boil size **28.8 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **2.1 liter(s) / kg**
- Mash size **22.9 liter(s)**
- Total mash volume **33.8 liter(s)**

## Steps

- Temp **68 C**, Time **120 min**

## Mash step by step

- Heat up **22.9 liter(s)** of strike water to **79.4C**
- Add grains
- Keep mash **120 min** at **68C**
- Sparge using **16.8 liter(s)** of **76C** water or to achieve **28.8 liter(s)** of wort

## Fermentables

| Type  | Name   | Amount        | Yield | EBC  |
|-------|--|---------------|-------|------|
| Grain | Weyermann - Pale Ale Malt                    | 6 kg (55%)    | 85 %  | 7    |
| Grain | Monachijski typ II<br>20-25 EBC<br>Weyermann | 4 kg (36.7%)  | 80 %  | 22   |
| Grain | Carafa III                                   | 0.3 kg (2.8%) | 70 %  | 1034 |
| Grain | Weyermann -<br>Chocolate Rye                 | 0.3 kg (2.8%) | 20 %  | 650  |
| Grain | Weyermann -<br>Chocolate Wheat               | 0.3 kg (2.8%) | 74 %  | 788  |

## Hops

| Use for | Name    | Amount | Time    | Alpha acid |
|---------|---------|--------|---------|------------|
| Boil    | Warrior | 150 g  | 100 min | 13.4 %     |
| Boil    | Warrior | 90 g   | 40 min  | 13.4 %     |

## Yeasts

| Name         | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale  | Dry  | 23 g   | Fermentis  |

## Extras

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

|        |                              |      |           |           |
|--------|------------------------------|------|-----------|-----------|
| Flavor | Płatki dębowe<br>Heavy Toast | 50 g | Secondary | 50 day(s) |
|--------|------------------------------|------|-----------|-----------|