

RISpect

- Gravity **23.6 BLG**
- ABV **10.8 %**
- IBU **54**
- SRM **53.6**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **12 %/h**
- Boil size **19.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.8 liter(s)**
- Total mash volume **30.4 liter(s)**

Steps

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

Mash step by step

- Heat up **22.8 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **70 min** at **66C**
- Keep mash **15 min** at **66C**
- Keep mash **5 min** at **68C**
- Keep mash **5 min** at **78C**
- Sparge using **4.2 liter(s)** of **76C** water or to achieve **19.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------------|----------------|-------|------|
| Grain | Viking Pale Ale malt | 4.4 kg (57.9%) | 80 % | 5 |
| Grain | Monachijski | 1.7 kg (22.4%) | 80 % | 16 |
| Grain | Viking melanoidynowy | 0.3 kg (3.9%) | 75 % | 60 |
| Grain | Strzegom Karmel 600 | 0.2 kg (2.6%) | 68 % | 601 |
| Grain | Strzegom Czekoladowy 400 | 0.4 kg (5.3%) | 68 % | 400 |
| Grain | Strzegom Czekoladowy 1200 | 0.35 kg (4.6%) | 68 % | 1202 |
| Grain | Jęczmień palony | 0.25 kg (3.3%) | 55 % | 985 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------|--------|--------|------------|
| Boil | Challenger | 50 g | 60 min | 7 % |
| Boil | Marynka | 15 g | 40 min | 10 % |
| Boil | First Gold | 20 g | 20 min | 7.5 % |

Yeasts

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

Extras

| Type | Name | Amount | Use for | Time |
|--------|--------------------------|--------|-----------|-----------|
| Flavor | Płatki Dębowe Bourbon | 50 g | Secondary | 20 day(s) |

Notes

- Dodatkowo użyto Marynki, w celu dobiecia IBU do preferowanego stylu.
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