

Rusek

- Gravity **25.9 BLG**
- ABV **12.2 %**
- IBU **84**
- SRM **52.3**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **10 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **90 min**
- Evaporation rate **17 %/h**
- Boil size **31.6 liter(s)**

Mash information

- Mash efficiency **60 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **34.2 liter(s)**
- Total mash volume **45.6 liter(s)**

Steps

- Temp **65 C**, Time **80 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **34.2 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **80 min** at **65C**
- Keep mash **10 min** at **76C**
- Sparge using **8.8 liter(s)** of **76C** water or to achieve **31.6 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|---------|--------------------------------|----------------|--------|-----|
| Grain | Briess - Pilsen Malt | 4.5 kg (33.6%) | 80.5 % | 2 |
| Grain | Briess - Pale Ale Malt | 4.5 kg (33.6%) | 80 % | 7 |
| Grain | Briess - Roasted Barley | 0.7 kg (5.2%) | 55 % | 591 |
| Grain | Brown Malt (British Chocolate) | 0.7 kg (5.2%) | 70 % | 128 |
| Adjunct | Oats, Flaked | 1.5 kg (11.2%) | 80 % | 2 |
| Grain | Chocolate Malt light | 0.5 kg (3.7%) | 73 % | 887 |
| Sugar | Candi Sugar, Dark | 0.5 kg (3.7%) | 78.3 % | 542 |
| Grain | Special B Malt | 0.5 kg (3.7%) | 65.2 % | 315 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Admiral | 100 g | 60 min | 14.3 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|-------|--------|------------|
| Safale US-05 | Ale | Slant | 200 ml | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|-------|----------------|--------|---------|--------|
| Other | yeast nutrient | 2.5 g | Boil | 10 min |

Notes

- Zacząć frlfermentacje od 15 stopni po tygodniu dojechać do 18 z tydzień przytrzymać a potem dojechać do 19. Fermentacji burzliwa minimum 3 tygodnie.
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