

Imperialny Kreml

- Gravity **21.1 BLG**
- ABV **9.4 %**
- IBU **87**
- SRM **36**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **20 %/h**
- Boil size **16.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.7 liter(s)**
- Total mash volume **21 liter(s)**

Steps

- Temp **68 C**, Time **90 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **15.7 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **90 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **6.1 liter(s)** of **76C** water or to achieve **16.6 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------------|----------------|-------|------|
| Grain | Viking Pale Ale malt | 3 kg (57.3%) | 80 % | 5 |
| Grain | Strzegom Monachijski typ II | 1.7 kg (32.4%) | 79 % | 22 |
| Grain | Czekoladowy Żytni | 0.15 kg (2.9%) | 85 % | 8 |
| Grain | Fawcett - Pszeniczny Czekoladowy | 0.22 kg (4.2%) | 73 % | 1001 |
| Grain | Carafa III | 0.17 kg (3.2%) | 70 % | 1034 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Warrior | 35 g | 60 min | 15.5 % |
| Boil | Warrior | 10 g | 30 min | 15.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------------------|------|-------|--------|-------------|
| Wyeast - American Ale | Ale | Slant | 150 ml | Wyeast Labs |

Notes

- <http://brokreacja.pl/uwarz-the-gravedigger/>

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

68°C - przerwa maltozowa przez 90 minut (uwaga: bez słoju Carafa Special III)
78°C - wygrzew przez 10 minut (słód Carafa Special III wrzucamy już w czasie podnoszenia temperatury,
wcześniej poddając go „cold brew”, czyli rozdrabniając i mocząc w zimnej wodze)
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