

Old World Russian Imperial Stout

- Gravity **21.8 BLG**
- ABV **9.8 %**
- IBU **78**
- SRM **70.9**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **17 liter(s)**
- Trub loss **10 %**
- Size with trub loss **18.7 liter(s)**
- Boil time **90 min**
- Evaporation rate **30 %/h**
- Boil size **27.1 liter(s)**

Mash information

- Mash efficiency **55 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **35.7 liter(s)**
- Total mash volume **45.9 liter(s)**

Steps

- Temp **64 C**, Time **90 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **35.7 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **90 min** at **64C**
- Keep mash **5 min** at **78C**
- Sparge using **1.6 liter(s)** of **76C** water or to achieve **27.1 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------------------|----------------|-------|------|
| Grain | Pale Ale | 7.7 kg (75.5%) | 81 % | 6 |
| Grain | Karmel 300 | 0.8 kg (7.8%) | 70 % | 299 |
| Grain | Karmel 30 | 0.5 kg (4.9%) | 75 % | 30 |
| Grain | Słód Carafa® Special typ III | 0.5 kg (4.9%) | 65 % | 1400 |
| Grain | Słód Carafa® Special typ I | 0.5 kg (4.9%) | 65 % | 900 |
| Grain | Jęczmień palony | 0.2 kg (2%) | 55 % | 1000 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|----------|--------|--------|------------|
| Boil | Columbus | 15 g | 60 min | 15 % |
| Boil | Galena | 15 g | 60 min | 14.1 % |
| Boil | Cascade | 15 g | 60 min | 7.7 % |
| Boil | Columbus | 15 g | 30 min | 15 % |
| Boil | Galena | 10 g | 30 min | 14.1 % |
| Boil | Galena | 25 g | 0 min | 14.1 % |
| Boil | Cascade | 35 g | 0 min | 7.7 % |

Yeasts

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

| Name | Type | Form | Amount | Laboratory |
|--------------------------|-------------|-------------|---------------|-------------------|
| Wyeast - American Ale II | Ale | Liquid | 1600 ml | Wyeast Labs |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|----------------|---------------|----------------|-------------|
| Fining | Mech irlandzki | 5 g | Boil | 15 min |