

Carewicz Mikołaj

- Gravity **23.3 BLG**
- ABV **10.7 %**
- IBU **44**
- SRM **46.4**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **120 min**
- Evaporation rate **10 %/h**
- Boil size **15 liter(s)**

Mash information

- Mash efficiency **60 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.5 liter(s)**
- Total mash volume **26 liter(s)**

Steps

- Temp **66 C**, Time **90 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **19.5 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **90 min** at **66C**
- Keep mash **5 min** at **78C**
- Sparge using **2 liter(s)** of **76C** water or to achieve **15 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|----------------|-------|-----|
| Grain | Viking Pilsner malt | 2.4 kg (36.9%) | 82 % | 4 |
| Grain | Casle Malting Whisky Nature | 1 kg (15.4%) | 85 % | 4 |
| Grain | Żytni | 1 kg (15.4%) | 85 % | 8 |
| Grain | płatki jęczmienne | 0.5 kg (7.7%) | 85 % | 3 |
| Grain | Płatki owsiane | 0.4 kg (6.2%) | 85 % | 3 |
| Grain | Weyermann Caramunich 3 | 0.25 kg (3.8%) | 76 % | 150 |
| Grain | Strzegom Karmel 300 | 0.25 kg (3.8%) | 70 % | 299 |
| Grain | Enzymatyczny | 0.2 kg (3.1%) | 85 % | 4 |
| Grain | Jęczmień palony | 0.3 kg (4.6%) | 55 % | 985 |
| Grain | Czekoladowy | 0.2 kg (3.1%) | 60 % | 788 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil | Magnum | 25 g | 60 min | 11.3 % |
| Boil | Lublin (Lubelski) | 30 g | 10 min | 4.7 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------------------|------|-------|--------|-------------|
| Wyeast - British Ale II | Ale | Slant | 300 ml | Wyeast Labs |

Extras

| Type | Name | Amount | Use for | Time |
|--------|----------------------|--------|-----------|-----------|
| Flavor | kawa | 50 g | Secondary | 20 day(s) |
| Other | płatki dębowe burbon | 20 g | Secondary | 20 day(s) |