

Estus

- Gravity **35.7 BLG**
- ABV ---
- IBU **102**
- SRM **52.2**
- 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 **60 min**
- Evaporation rate **10 %/h**
- Boil size **12.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.9 liter(s)**
- Total mash volume **23.8 liter(s)**

Steps

- Temp **62 C**, Time **90 min**

Mash step by step

- Heat up **17.9 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **90 min** at **62C**
- Sparge using **0.8 liter(s)** of **76C** water or to achieve **12.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|---------|-----------------------------|----------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt | 3 kg (45.8%) | 85 % | 7 |
| Grain | Strzegom Monachijski typ II | 2 kg (30.5%) | 79 % | 22 |
| Grain | Jęczmień palony | 0.25 kg (3.8%) | 55 % | 985 |
| Grain | Caraaroma | 0.25 kg (3.8%) | 78 % | 400 |
| Grain | Weyermann Caramunich 3 | 0.25 kg (3.8%) | 76 % | 150 |
| Adjunct | Płatki pszeniczne | 0.2 kg (3.1%) | 85 % | 3 |
| Adjunct | Płatki owsiane | 0.2 kg (3.1%) | 85 % | 3 |
| Adjunct | Płatki orkiszowe | 0.2 kg (3.1%) | 80 % | 4 |
| Grain | Weyermann - Carafa I | 0.2 kg (3.1%) | 70 % | 690 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|---------|--------|--------|------------|
| Boil | Equinox | 75 g | 60 min | 13.1 % |
| Aroma (end of boil) | Equinox | 25 g | 10 min | 13.1 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|--|-----|-----|------|-----------------|
| Mangrove Jack's M42 New World Strong Ale | Ale | Dry | 10 g | Mangrove Jack's |
|--|-----|-----|------|-----------------|

Extras

| Type | Name | Amount | Use for | Time |
|-------|---------------------------|--------|-----------|-----------|
| Spice | Płatki z beczki po Whisky | 50 g | Secondary | 14 day(s) |