

TERMINATOR

- Gravity **24.4 BLG**
- ABV **11.3 %**
- IBU **49**
- SRM **57.9**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **180 min**
- Evaporation rate **10 %/h**
- Boil size **34.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **34.8 liter(s)**
- Total mash volume **46.4 liter(s)**

Steps

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

Mash step by step

- Heat up **34.8 liter(s)** of strike water to **73.9C**
- Add grains
- Keep mash **90 min** at **66C**
- Sparge using **11.5 liter(s)** of **76C** water or to achieve **34.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|-----------------|-------|------|
| Grain | Viking Pale Ale malt | 5 kg (41.7%) | 80 % | 5 |
| Grain | Strzegom Monachijski typ I | 0.95 kg (7.9%) | 79 % | 16 |
| Grain | Weyermann - Carapils | 1.27 kg (10.6%) | 78 % | 4 |
| Grain | Jęczmień palony | 0.5 kg (4.2%) | 55 % | 985 |
| Grain | Crystal II 200 | 0.2 kg (1.7%) | 71 % | 200 |
| Grain | Strzegom Czekoladowy jasny | 0.7 kg (5.8%) | 68 % | 400 |
| Grain | Strzegom Barwiący | 0.25 kg (2.1%) | 68 % | 1300 |
| Grain | Strzegom Czekoladowy 1200 | 0.43 kg (3.6%) | 68 % | 1202 |
| Grain | Strzegom Pilzneński | 0.5 kg (4.2%) | 80 % | 4 |
| Grain | Strzegom Monachijski typ II | 1.3 kg (10.8%) | 79 % | 22 |
| Grain | Płatki pszeniczne | 0.5 kg (4.2%) | 85 % | 3 |
| Grain | Płatki owsiane | 0.4 kg (3.3%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Marynka | 100 g | 90 min | 7 % |

| | | | | |
|------|-------------------|------|--------|-------|
| Boil | Lublin (Lubelski) | 60 g | 10 min | 3.5 % |
|------|-------------------|------|--------|-------|

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|-------|---------|------------|
| Safale S-04 | Ale | Slant | 1000 ml | Safale |