

RIS_

- Gravity **22 BLG**
- ABV **9.9 %**
- IBU **75**
- SRM **63.7**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **3 %**
- Size with trub loss **15.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **17.5 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------------|---------------|-------|------|
| Grain | Viking Pale Ale malt | 5 kg (71.4%) | 80 % | 5 |
| Grain | Weyermann Palony Jeczmien | 0.5 kg (7.1%) | 55 % | 1150 |
| Grain | Weyermann Specjal W | 0.5 kg (7.1%) | 68 % | 300 |
| Grain | Weyermann - Carafa I | 0.5 kg (7.1%) | 70 % | 900 |
| Grain | Płatki owsiane | 0.5 kg (7.1%) | 85 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil | Warrior | 50 g | 40 min | 15.5 % |