

Wrona

- Gravity **23.6 BLG**
- ABV **10.8 %**
- IBU **64**
- SRM **61.9**
- 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 **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **27 liter(s)**
- Total mash volume **36 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|---------------------------------|----------------|-------|------|
| Grain | Viking Pale Ale malt | 3 kg (28.3%) | 80 % | 5 |
| Grain | Diastatic malt | 1 kg (9.4%) | 85 % | 7 |
| Grain | Płatki pszeniczne | 1 kg (9.4%) | 85 % | 3 |
| Grain | Płatki owsiane | 1 kg (9.4%) | 85 % | 3 |
| Grain | Viking Malt Wędzony Czereśnią | 2 kg (18.9%) | 82 % | 10 |
| Grain | Strzegom Barwiący | 1 kg (9.4%) | 68 % | 1800 |
| Liquid Extract | Miód Gryczany (Buckwheat Honey) | 1.6 kg (15.1%) | 70 % | 40 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------|--------|--------|------------|
| Boil | lunga | 100 g | 70 min | 10 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------------------|------|-------|--------|------------------|
| FM27 Artefakty trapistów | Ale | Slant | 50 ml | Fermentum Mobile |