

# 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