

## ris

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- Gravity **23.1 BLG**
- ABV **10.5 %**
- IBU **69**
- SRM **58.1**
- Style **Russian Imperial Stout**

### Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **3.5 liter(s)**
- Total mash volume **4.7 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	Bruntal ekstrakt słodowy jasny	3.4 kg (74.3%)	81 %	26
Grain	Biscuit Malt	0.25 kg (5.5%)	79 %	45
Grain	Viking Czekoladowy ciemny	0.5 kg (10.9%)	67 %	900
Grain	Jęczmień palony	0.25 kg (5.5%)	55 %	985
Grain	Carafa III	0.056 kg (1.2%)	70 %	1034
Grain	Simpsons - Crystal Extra Dark	0.044 kg (1%)	74 %	315
Grain	Fawcett - Pale Chocolate	0.074 kg (1.6%)	71 %	600

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	30 g	45 min	13.5 %
Boil	lunga	20 g	45 min	11 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM53 Voss kveik	Ale	Slant	100 ml	Fermentum Mobile