

## RIS na zime

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- Gravity **31.4 BLG**
- ABV **15.8 %**
- IBU **47**
- SRM **100**
- Style **Russian Imperial Stout**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **120 min**
- Evaporation rate **18 %/h**
- Boil size **16.7 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.6 liter(s)**
- Total mash volume **30.2 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (53%)	80 %	5
Grain	Monachijski	1 kg (13.2%)	80 %	22
Grain	Jęczmień palony	1 kg (13.2%)	55 %	985
Grain	Caraaroma	0.3 kg (4%)	78 %	400
Grain	Słód Caramunich Typ II Weyermann	0.3 kg (4%)	73 %	120
Grain	Carafa	0.3 kg (4%)	70 %	664
Grain	Płatki owsiane	0.25 kg (3.3%)	85 %	3
Grain	Carafa III	0.4 kg (5.3%)	70 %	1034

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	40 g	110 min	10 %
Boil	Lublin (Lubelski)	30 g	15 min	4 %

### Yeasts

Name	Type	Form	Amount	Laboratory
SafAle™ T-58	Ale	Dry	23 g	Fermentis