

Potężny ris

- Gravity **30.8 BLG**
- ABV **15.4 %**
- IBU **26**
- SRM **30.7**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **10 %**
- Size with trub loss **21.9 liter(s)**
- Boil time **120 min**
- Evaporation rate **10 %/h**
- Boil size **29.6 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **2 liter(s) / kg**
- Mash size **29.8 liter(s)**
- Total mash volume **44.7 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	7 kg (46.3%)	80 %	5
Grain	Pilzneński	5 kg (33.1%)	81 %	4
Grain	Słód owsiany Fawcett	1 kg (6.6%)	61 %	5
Grain	Płatki owsiane	0.5 kg (3.3%)	85 %	3
Grain	Strzegom Czekoladowy jasny	0.5 kg (3.3%)	68 %	400
Grain	Special W	0.5 kg (3.3%)	72 %	79
Grain	Carafa II	0.4 kg (2.6%)	70 %	812
Sugar	Candi Sugar, Clear	0.224 kg (1.5%)	78.3 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	40 g	60 min	13.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	250 ml	Fermentis

Extras

Type	Name	Amount	Use for	Time
Flavor	Pryncypałki	470 g	Mash	30 min
Flavor	Pryncypałki	225 g	Secondary	21 day(s)