

FPD ris

- Gravity **22 BLG**
- ABV **9.9 %**
- IBU **29**
- SRM **28.3**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **28.7 liter(s)**
- Total mash volume **38.2 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (52.4%)	80 %	5
Grain	Żytni	0.5 kg (5.2%)	85 %	8
Grain	Owsiany	1 kg (10.5%)	--- %	---
Grain	Carafa	0.3 kg (3.1%)	70 %	664
Grain	Carafa III	0.25 kg (2.6%)	70 %	1034
Grain	Pilzneński	2 kg (20.9%)	81 %	4
Grain	Briess - Carabrown Malt	0.5 kg (5.2%)	79 %	108

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	30 g	60 min	13.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	200 ml	Fermentis