

Łapa stal

- Gravity **21.6 BLG**
- ABV **9.7 %**
- IBU **38**
- SRM **29.6**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **13.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **14.3 liter(s)**
- Total mash volume **20.1 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3 kg (52.4%)	80 %	5
Grain	Peat Smoked Malt	0.85 kg (14.8%)	74 %	6
Grain	Barley, Flaked	0.5 kg (8.7%)	70 %	4
Grain	Pilzneński	0.4 kg (7%)	81 %	4
Grain	Płatki owsiane	0.4 kg (7%)	85 %	3
Grain	Pszeniczny	0.25 kg (4.4%)	85 %	4
Grain	Black (Patent) Malt	0.33 kg (5.8%)	55 %	985

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	16 g	70 min	13.5 %
Boil	Tettnang	20 g	13 min	4 %
Boil	Challenger	16 g	13 min	7 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis