

Ris 0

- Gravity **30.4 BLG**
- ABV **15.1 %**
- IBU **86**
- SRM **94.8**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **23.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2 liter(s) / kg**
- Mash size **28 liter(s)**
- Total mash volume **42 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	10 kg (66.7%)	80 %	5
Grain	Jęczmień palony	1 kg (6.7%)	55 %	985
Grain	Strzegom Czekoladowy 1200	1 kg (6.7%)	68 %	1202
Grain	Czekoladowy	1 kg (6.7%)	60 %	788
Grain	Pszeniczny	1 kg (6.7%)	85 %	4
Liquid Extract	ekstrakt słodowy ciemny Bruntal	1 kg (6.7%)	90 %	621

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	25 g	60 min	13.5 %
Boil	Columbus/Tomahawk/Zeus	100 g	60 min	15.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	1000 ml	---