

RIS

- Gravity **21.8 BLG**
- ABV **9.8 %**
- IBU **54**
- SRM **46.8**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	4.5 kg (75%)	79 %	6
Grain	Strzegom Karmel 300	0.5 kg (8.3%)	70 %	299
Grain	Carafa II	0.25 kg (4.2%)	70 %	812
Grain	Carafa III	0.25 kg (4.2%)	70 %	1034
Grain	Weyermann - Carared	0.5 kg (8.3%)	75 %	45

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	East Kent Goldings	30 g	60 min	5.1 %
Boil	Magnum	20 g	60 min	13.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	100 ml	Fermentis