

fores RIS

- Gravity **22 BLG**
- ABV **9.9 %**
- IBU **43**
- SRM **45.4**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **7 liter(s)**
- Trub loss **5 %**
- Size with trub loss **7.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **8.9 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.4 liter(s)**
- Total mash volume **13.8 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2.2 kg (63.8%)	75 %	4
Grain	Weyermann - Carared	0.35 kg (10.1%)	75 %	45
Grain	Strzegom Pale Ale	0.35 kg (10.1%)	75 %	6
Grain	Karmelowy Pszeniczny Strzegom	0.15 kg (4.3%)	75 %	130
Grain	Płatki owsiane	0.15 kg (4.3%)	60 %	3
Grain	Carafa III	0.25 kg (7.2%)	70 %	1300

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	10 g	60 min	13 %
Boil	Marynka	10 g	60 min	7 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis