

RIS

- Gravity **21.8 BLG**
- ABV **9.8 %**
- IBU **74**
- SRM **42.8**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **16.1 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **18.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.3 liter(s) / kg**
- Mash size **14.8 liter(s)**
- Total mash volume **21.3 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4.8 kg (74.4%)	80 %	5
Grain	Strzegom Karmel 600	0.15 kg (2.3%)	68 %	601
Grain	Strzegom Czekoladowy ciemny	0.25 kg (3.9%)	68 %	1200
Grain	Strzegom Monachijski typ II	1 kg (15.5%)	79 %	22
Grain	Jęczmień palony	0.25 kg (3.9%)	55 %	985

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	60 g	60 min	10 %
Boil	lunga	10 g	10 min	10 %
Boil	Mosaic	10 g	10 min	12.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Slant	150 ml	Fermentis