

RIS

- Gravity **32.5 BLG**
- ABV **16.5 %**
- IBU **48**
- SRM **75.8**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **34.8 liter(s)**
- Total mash volume **46.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	7 kg (50%)	80 %	5
Grain	Platki owsiane	1.5 kg (10.7%)	85 %	3
Grain	Fawcett - Pale Chocolate	0.8 kg (5.7%)	71 %	600
Grain	Strzegom Karmel 600	0.5 kg (3.6%)	68 %	601
Grain	Strzegom Karmel 300	1.3 kg (9.3%)	70 %	299
Grain	Carafa II	0.5 kg (3.6%)	70 %	1150
Liquid Extract	ekstrakt jasny	2.4 kg (17.1%)	70 %	188

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	90 g	60 min	11 %