

- Gravity **22 BLG**
- ABV **9.9 %**
- IBU **75**
- SRM **63.7**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **3 %**
- Size with trub loss **15.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **17.5 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **28 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (71.4%)	80 %	5
Grain	Weyermann Palony Jeczmien	0.5 kg (7.1%)	55 %	1150
Grain	Weyermann Specjal W	0.5 kg (7.1%)	68 %	300
Grain	Weyermann - Carafa I	0.5 kg (7.1%)	70 %	900
Grain	Płatki owsiane	0.5 kg (7.1%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Warrior	50 g	40 min	15.5 %