

Sris

- Gravity **20 BLG**
- ABV **8.8 %**
- IBU **61**
- SRM **48**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **17 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.7 liter(s)**
- Boil time **120 min**
- Evaporation rate **10 %/h**
- Boil size **24.5 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **22.5 liter(s)**
- Total mash volume **30 liter(s)**

Steps

- Temp **67 C**, Time **105 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **22.5 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **105 min** at **67C**
- Keep mash **10 min** at **76C**
- Sparge using **9.5 liter(s)** of **76C** water or to achieve **24.5 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	6 kg (80%)	80 %	5
Grain	Weyermann Caramunich 3	0.5 kg (6.7%)	76 %	150
Grain	Weyermann - Carafa II specjal	0.5 kg (6.7%)	70 %	837
Grain	Jęczmień palony	0.5 kg (6.7%)	55 %	985

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	25 g	60 min	13.5 %
Boil	Mosaic	25 g	30 min	10 %
Boil	Mosaic	25 g	15 min	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Slant	200 ml	Fermentis