

ax ris

- Gravity **24 BLG**
- ABV **11 %**
- IBU **45**
- SRM **42.5**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **18.1 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.5 liter(s)**
- Total mash volume **27.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale Malt	5 kg (73%)	85 %	7
Grain	Monachijski	0.6 kg (8.8%)	80 %	16
Grain	Caraaroma	0.35 kg (5.1%)	78 %	400
Grain	Weyermann - Carafa I	0.2 kg (2.9%)	70 %	690
Grain	Carafa III	0.35 kg (5.1%)	70 %	1034
Grain	Pszeniczny	0.35 kg (5.1%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	30 g	55 min	13.5 %
Boil	Magnum	10 g	15 min	13.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Safale