

ris wedzony

- Gravity **27 BLG**
- ABV **12.9 %**
- IBU **148**
- SRM **31.9**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **30 liter(s)**
- Trub loss **5 %**
- Size with trub loss **31.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **38 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **51.8 liter(s)**
- Total mash volume **69 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	10 kg (58%)	79 %	6
Grain	Briess - Wheat Malt, White	1 kg (5.8%)	85 %	5
Grain	Strzegom Karmel 600	0.25 kg (1.4%)	68 %	601
Grain	Strzegom Czekoladowy 400	0.5 kg (2.9%)	68 %	400
Grain	Jęczmień palony	0.5 kg (2.9%)	55 %	985
Grain	Viking Pale Ale malt	5 kg (29%)	80 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	150 g	60 min	10 %
Boil	Magnat	150 g	60 min	14.1 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	34.5 g	Safale