

## ¿RIS?

- Gravity **21.6 BLG**
- ABV ---
- IBU **100**
- SRM **40**
- Style **Russian Imperial Stout**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **20 %/h**
- Boil size **26.4 liter(s)**

### Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **1 liter(s) / kg**
- Mash size **9.8 liter(s)**
- Total mash volume **19.6 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Simpsons - Maris Otter	4 kg (40.8%)	81 %	6
Grain	Żytmi	4 kg (40.8%)	85 %	8
Grain	Weyermann - Melanoiden Malt	0.5 kg (5.1%)	81 %	53
Grain	Czekoladowy	0.5 kg (5.1%)	60 %	788
Grain	Strzegom Karmel 600	0.5 kg (5.1%)	68 %	601
Grain	Jęczmień palony	0.3 kg (3.1%)	55 %	985

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	50 g	60 min	13 %
Aroma (end of boil)	Simcoe	50 g	10 min	13 %
Aroma (end of boil)	Chinook	20 g	10 min	13 %
Boil	Simcoe	20 g	60 min	13 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	23 g	Fermentis