

ciemność, widzę ciemność

- Gravity **30 BLG**
- ABV **14.8 %**
- IBU **90**
- SRM **46.4**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **12.7 liter(s)**

Mash information

- Mash efficiency **68 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.3 liter(s)**
- Total mash volume **28.4 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (56.3%)	80 %	5
Grain	Briess - Chocolate Malt	0.6 kg (8.5%)	60 %	690
Grain	Żytni	1.5 kg (21.1%)	85 %	8
Grain	Special B Malt	0.3 kg (4.2%)	65.2 %	315
Grain	Oats, Flaked	0.7 kg (9.9%)	80 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	75 g	60 min	11 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM13 Irlandzkie Ciemności	Ale	Liquid	40 ml	Fermentum Mobile