

# RIS

- Gravity **29.6 BLG**
- ABV **14.5 %**
- IBU **55**
- SRM **55.5**
- 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 **60 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **21.7 liter(s)**
- Total mash volume **30.4 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (57.5%)	70 %	5
Grain	Carahell	1 kg (11.5%)	77 %	26
Grain	Cookie Viking Malt	1 kg (11.5%)	70 %	50
Grain	Biscuit Malt	1 kg (11.5%)	79 %	45
Grain	Caraaroma	0.2 kg (2.3%)	78 %	400
Grain	Weyermann - Carafa I	0.2 kg (2.3%)	70 %	690
Grain	Strzegom Czekoladowy ciemny	0.2 kg (2.3%)	68 %	1200
Grain	Jęczmień palony	0.1 kg (1.1%)	55 %	985

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	50 g	60 min	10 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM13 Irlandzkie Ciemności	Ale	Slant	100 ml	Fermentum Mobile