

# RIS WA

- Gravity **28.7 BLG**
- ABV **14 %**
- IBU **112**
- SRM **72.9**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

## Mash information

- Mash efficiency **77 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **37.5 liter(s)**
- Total mash volume **50 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	6.5 kg (52%)	80 %	4
Grain	Pszeniczny Ciemny	1 kg (8%)	73 %	70
Grain	Płatki owsiane	1 kg (8%)	85 %	3
Grain	Briess - Chocolate Malt	1 kg (8%)	60 %	690
Grain	Weyermann - Carafa III	0.5 kg (4%)	70 %	1024
Grain	Jęczmień palony	0.5 kg (4%)	55 %	985
Grain	Caramel/Crystal Malt - 120L	2 kg (16%)	72 %	160

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Polaris	50 g	60 min	19 %
Boil	Herkules	50 g	30 min	17 %
Boil	Polaris	50 g	10 min	19 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	10 g	Fermentis

## Extras

Type	Name	Amount	Use for	Time
Other	Płatki dębowe	70 g	Secondary	50 day(s)