

# Ris

- Gravity **18.4 BLG**
- ABV **8 %**
- IBU **116**
- SRM **66.4**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **35 liter(s)**
- Trub loss **5 %**
- Size with trub loss **36.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **44.3 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2 liter(s) / kg**
- Mash size **27 liter(s)**
- Total mash volume **40.5 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (37%)	80 %	5
Grain	Pszeniczny ciemny	2 kg (14.8%)	82 %	18
Grain	Strzegom Monachijski typ I	1 kg (7.4%)	79 %	16
Grain	Strzegom Wiedeński	1 kg (7.4%)	79 %	10
Grain	Pszeniczny Czekoladowy	1 kg (7.4%)	73 %	1000
Grain	Extra black	0.5 kg (3.7%)	65 %	1400
Grain	Kawowy	1 kg (7.4%)	76 %	500
Grain	Special X	1 kg (7.4%)	75 %	350
Grain	Karmelowy	1 kg (7.4%)	68 %	600

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Warrior	150 g	60 min	15.5 %

## Yeasts

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

## Extras

Type	Name	Amount	Use for	Time
Spice	Vanilia	6 g	Secondary	4 day(s)