

# RIS

- Gravity **27.7 BLG**
- ABV ---
- IBU **118**
- SRM **117.7**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **22.8 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **28.5 liter(s)**
- Total mash volume **38 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale Weyermann	6 kg (63.2%)	85 %	7
Grain	Strzegom Karmel 150	0.75 kg (7.9%)	75 %	150
Grain	Żytni	0.45 kg (4.7%)	85 %	8
Grain	Caraaroma	0.8 kg (8.4%)	78 %	400
Grain	Strzegom Czekoladowy ciemny	1 kg (10.5%)	68 %	1200
Grain	Jęczmień palony	0.5 kg (5.3%)	55 %	985

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Columbus/Tomahawk/Zeus	40 g	60 min	15.5 %
Boil	Magnum	50 g	60 min	13.5 %
Boil	Equinox	50 g	15 min	13.1 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	23 g	Safale