

# Gravedigger

- Gravity **23.8 BLG**
- ABV **10.9 %**
- IBU **106**
- SRM **40**
- 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 **120 min**
- Evaporation rate **10 %/h**
- Boil size **24.8 liter(s)**

## Mash information

- Mash efficiency **78 %**
- Liquor-to-grist ratio **2.8 liter(s) / kg**
- Mash size **24.9 liter(s)**
- Total mash volume **33.8 liter(s)**

## Steps

- Temp **68 C**, Time **90 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **24.9 liter(s)** of strike water to **76.6C**
- Add grains
- Keep mash **90 min** at **68C**
- Keep mash **10 min** at **78C**
- Sparge using **8.8 liter(s)** of **76C** water or to achieve **24.8 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	5 kg (56.2%)	79 %	6
Grain	Strzegom Monachijski typ II	3 kg (33.7%)	79 %	22
Grain	Weyermann - Carafa III	0.3 kg (3.4%)	70 %	1024
Grain	Weyermann - Chocolate Rye	0.3 kg (3.4%)	20 %	493
Grain	Weyermann - Chocolate Wheat	0.3 kg (3.4%)	74 %	788

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Warrior	75 g	60 min	15.5 %
Boil	Warrior	25 g	15 min	15.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Slant	300 ml	Fermentis