

# berry

- Gravity **11.2 BLG**
- ABV **4.5 %**
- IBU **50**
- SRM **15.9**
- Style **Oatmeal 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 **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.6 liter(s)**
- Total mash volume **18.1 liter(s)**

## Steps

- Temp **70 C**, Time **70 min**
- Temp **70 C**, Time **10 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **13.6 liter(s)** of strike water to **78.3C**
- Add grains
- Keep mash **10 min** at **70C**
- Keep mash **70 min** at **70C**
- Keep mash **5 min** at **78C**
- Sparge using **16.2 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.4 kg (75.1%)	80 %	5
Grain	Platki owsiane	0.625 kg (13.8%)	85 %	3
Grain	palone ziarno	0.2 kg (4.4%)	--- %	---
Grain	Briess - Chocolate Malt	0.3 kg (6.6%)	60 %	690

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Eureka!	17 g	60 min	18 %
Boil	Eureka!	20 g	10 min	18 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-33	Ale	Dry	11.5 g	Fermentis

## Extras

Type	Name	Amount	Use for	Time
Flavor	puree jagodowe	1000 g	Secondary	4 day(s)