

## #38 Oatmeal Stout

- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **30**
- SRM **24.4**
- Style **Oatmeal Stout**

### Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.4 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **20.1 liter(s)**
- Total mash volume **25.9 liter(s)**

### Steps

- Temp **68 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **20.1 liter(s)** of strike water to **74.9C**
- Add grains
- Keep mash **60 min** at **68C**
- Keep mash **15 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **11.1 liter(s)** of **76C** water or to achieve **25.4 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.5 kg (60.9%)	80 %	5
Grain	Strzegom Monachijski typ I	0.5 kg (8.7%)	79 %	16
Grain	Strzegom Karmel 300	0.5 kg (8.7%)	70 %	299
Grain	Fawcett - Pszeniczny Czekoladowy	0.15 kg (2.6%)	73 %	1001
Grain	Jęczmień palony	0.1 kg (1.7%)	55 %	985
Grain	Płatki owsiane	1 kg (17.4%)	60 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	40 g	60 min	7 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM13 Irlandzkie Ciemności	Ale	Slant	140 ml	Fermentum Mobile