

# Miodowy stout #1

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- Gravity **15 BLG**
- ABV ---
- IBU **26**
- SRM **29.9**
- 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 **24.9 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.3 liter(s)**
- Total mash volume **17.7 liter(s)**

## Steps

- Temp **68 C**, Time **60 min**

## Mash step by step

- Heat up **13.3 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **16 liter(s)** of **76C** water or to achieve **24.9 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2.5 kg (46%)	80 %	5
Grain	Strzegom Bursztynowy	0.5 kg (9.2%)	70 %	49
Grain	Strzegom Wiedeński	0.5 kg (9.2%)	79 %	10
Grain	Płatki owsiane	0.5 kg (9.2%)	85 %	3
Grain	Strzegom Barwiący	0.3 kg (5.5%)	68 %	1300
Grain	Jęczmień palony	0.13 kg (2.4%)	55 %	985
Liquid Extract	Honey	1 kg (18.4%)	75 %	2

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Pilgrim	25 g	60 min	10.3 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	6 g	Fermentis