

## Milk stout

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- Gravity **15.4 BLG**
- ABV ---
- IBU **31**
- SRM **33.8**
- Style **Sweet 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 **17.4 liter(s)**
- Total mash volume **23.2 liter(s)**

### Steps

- Temp **68 C**, Time **30 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **10 min**

### Mash step by step

- Heat up **17.4 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **30 min** at **68C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **76C**
- Sparge using **13.7 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale Flagon	3.6 kg (62.1%)	80 %	5
Grain	Pszeniczny	0.5 kg (8.6%)	85 %	4
Grain	Karmelowy żytni Strzegom	0.7 kg (12.1%)	75 %	150
Grain	Płatki owsiane	0.5 kg (8.6%)	85 %	3
Grain	Carafa III	0.15 kg (2.6%)	70 %	1034
Grain	Jęczmień palony	0.35 kg (6%)	55 %	985

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	18 g	60 min	13.5 %
Boil	Styrian Golding	22 g	20 min	3.6 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Fermentis Safbrew BE-256	Ale	Dry	24 g	Fermentis

### Extras

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

Type	Name	Amount	Use for	Time
Flavor	laktoza	1000 g	Boil	20 min