

# Coffe Milk Stout

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **34**
- 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 **30 %/h**
- Boil size **32.5 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

## Steps

- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **1 min**

## Mash step by step

- Heat up **18 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **10 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **20.5 liter(s)** of **76C** water or to achieve **32.5 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszoniczny	0.6 kg (10%)	85 %	4
Grain	Monachijski	3 kg (50%)	80 %	16
Grain	Weyermann - Carafa II	0.3 kg (5%)	70 %	1100
Grain	Strzegom Czekoladowy ciemny	0.3 kg (5%)	68 %	1200
Grain	Strzegom Pilzneński	1.8 kg (30%)	80 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	35 g	60 min	10 %
Boil	Marynka	15 g	1 min	10 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis

## Extras

Type	Name	Amount	Use for	Time
Spice	espresso	150 g	Bottling	1 min
Flavor	laktoza	700 g	Boil	10 min