

# Dry Stout

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **27**
- SRM **28.2**
- Style **Dry Stout**

## Batch size

- Expected quantity of finished beer **20.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.1 liter(s)**

## Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.5 liter(s)**
- Total mash volume **18 liter(s)**

## Steps

- Temp **69 C**, Time **1 min**
- Temp **66 C**, Time **70 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **13.5 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **70 min** at **66C**
- Keep mash **1 min** at **69C**
- Keep mash **10 min** at **78C**
- Sparge using **18.1 liter(s)** of **76C** water or to achieve **27.1 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	3 kg (66.7%)	82 %	4
Grain	Viking Munich Malt	1 kg (22.2%)	78 %	18
Grain	Jęczmień palony	0.3 kg (6.7%)	55 %	985
Grain	Strzegom Czekoladowy ciemny	0.2 kg (4.4%)	68 %	1200

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	25 g	60 min	10 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11.5 g	Fermentis

## Notes

- Bez mchu irlandzkiego.  
2 tyg burzliwej.  
2 tyg cichej.  
Z chmielin pobrać próbkę FFT.  
*Jan 28, 2021, 6:53 PM*