

DRY STOUT

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **28**
- SRM **27.4**
- Style **American 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 **25 %/h**
- Boil size **30.1 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.9 liter(s)**
- Total mash volume **21.2 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **15.9 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **76C**
- Sparge using **19.5 liter(s)** of **76C** water or to achieve **30.1 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale Flagon	4 kg (75.5%)	80 %	5
Grain	Płatki owsiane	0.5 kg (9.4%)	85 %	3
Grain	Carafa III	0.3 kg (5.7%)	70 %	1034
Grain	Pszeniczny	0.3 kg (5.7%)	85 %	4
Grain	Jęczmień palony	0.2 kg (3.8%)	55 %	985

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Simcoe	15 g	60 min	13.2 %
Boil	Simcoe	15 g	10 min	13.2 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11 g	Safale

Extras

Type	Name	Amount	Use for	Time
Fining	mech	5 g	Boil	15 min
Water Agent	kreda	4 g	Mash	60 min