

Dry Stout

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **40**
- SRM **38.8**
- Style **Dry Stout**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **2 %**
- Size with trub loss **20.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **23.1 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.4 liter(s)**
- Total mash volume **19.2 liter(s)**

Steps

- Temp **52 C**, Time **10 min**
- Temp **66 C**, Time **60 min**
- Temp **72 C**, Time **5 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **14.4 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **60 min** at **66C**
- Keep mash **5 min** at **72C**
- Keep mash **10 min** at **76C**
- Sparge using **13.5 liter(s)** of **76C** water or to achieve **23.1 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilsner Viking Malt	4 kg (83.3%)	82 %	4
Grain	Jęczmień palony	0.4 kg (8.3%)	55 %	985
Grain	Strzegom Czekoladowy ciemny	0.2 kg (4.2%)	68 %	1200
Grain	Strzegom Karmel 600	0.2 kg (4.2%)	68 %	601

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	25 g	60 min	13.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
BrewGO-01	Ale	Dry	11 g	Browin

Extras

Type	Name	Amount	Use for	Time
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Spice	kawa	50 g	Secondary	1 day(s)
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