

Dry Stout

- Gravity **9 BLG**
- ABV **3.5 %**
- IBU **31**
- SRM **41.9**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **8 liter(s)**
- Trub loss **5 %**
- Size with trub loss **8.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **10.1 liter(s)**

Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **4.8 liter(s)**
- Total mash volume **6.4 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up **4.8 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **1 min** at **76C**
- Sparge using **6.9 liter(s)** of **76C** water or to achieve **10.1 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale Flagon	0.24 kg (15.1%)	80 %	5
Grain	Monachijski	0.86 kg (54.3%)	80 %	16
Grain	Oats, Flaked	0.08 kg (5%)	65 %	2
Grain	Strzegom Czekoladowy ciemny	0.25 kg (15.5%)	68 %	1200
Grain	Żyto palone	0.02 kg (1.1%)	55 %	985
Grain	Strzegom Karmel 600	0.07 kg (4.5%)	68 %	601
Grain	Żytni	0.07 kg (4.5%)	80 %	8

Hops

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