

Porter angielski a'la Doris

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **29**
- SRM **28.8**
- Style **Brown Porter**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss --- %
- Size with trub loss **12 liter(s)**
- Boil time **30 min**
- Evaporation rate **15 %/h**
- Boil size **14.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **8.7 liter(s)**
- Total mash volume **11.6 liter(s)**

Steps

- Temp **67 C**, Time **70 min**

Mash step by step

- Heat up **8.7 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **70 min** at **67C**
- Sparge using **8.4 liter(s)** of **76C** water or to achieve **14.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2.5 kg (86.2%)	80 %	5
Grain	Strzegom Czekoladowy ciemny	0.2 kg (6.9%)	68 %	1200
Grain	Strzegom Karmel 300	0.2 kg (6.9%)	70 %	299

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Challenger	28 g	30 min	7 %