

Foteigh Extra Stout

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **24**
- SRM **31**
- Style **Foreign Extra Stout**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18.6 liter(s)**
- Total mash volume **24.8 liter(s)**

Steps

- Temp **66 C**, Time **45 min**
- Temp **72 C**, Time **30 min**

Mash step by step

- Heat up **18.6 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **45 min** at **66C**
- Keep mash **30 min** at **72C**
- Sparge using **17 liter(s)** of **76C** water or to achieve **29.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	3 kg (48.4%)	80 %	4
Grain	Viking Pale Ale malt	2 kg (32.3%)	80 %	5
Grain	Strzegom Czekoladowy ciemny	0.5 kg (8.1%)	68 %	900
Grain	Jęczmień palony	0.2 kg (3.2%)	55 %	1150
Grain	Płatki owsiane	0.5 kg (8.1%)	85 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Oktawia	30 g	55 min	9 %

Yeasts

Name	Type	Form	Amount	Laboratory
Danstar - Nottingham	Ale	Slant	2000 ml	---