FES#1

- Gravity 17.1 BLG
- ABV 7.3 %
- IBU ---
- SRM **44.3**
- Style Foreign Extra Stout

Batch size

- Expected quantity of finished beer 10 liter(s)
- Trub loss 15 %
- Size with trub loss 11.5 liter(s)
- Boil time 60 min
- Evaporation rate 15 %/h
- Boil size 14.4 liter(s)

Mash information

- Mash efficiency 65 %
- Liquor-to-grist ratio 3.5 liter(s) / kg
- Mash size 15.4 liter(s)
- Total mash volume 19.8 liter(s)

Steps

- Temp 62 C, Time 40 min
 Temp 72 C, Time 20 min
 Temp 76 C, Time 5 min

Mash step by step

- Heat up 15.4 liter(s) of strike water to 68C
- Add grains
- Keep mash 40 min at 62C
- Keep mash 20 min at 72C
- Keep mash 5 min at 76C
- Sparge using 3.4 liter(s) of 76C water or to achieve 14.4 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	3.5 kg <i>(79.5%)</i>	82 %	4
Grain	carabody	0.2 kg <i>(4.5%)</i>	75 %	8
Grain	Castle Cafe	0.3 kg (6.8%)	75.5 %	480
Grain	Jęczmień palony	0.4 kg (9.1%)	55 %	985