FAH

- · Gravity 11 BLG
- ABV ---
- IBU **51**
- SRM **3.8**
- Style German Pilsner (Pils)

Batch size

- Expected quantity of finished beer 25 liter(s)
- Trub loss 5 %
- Size with trub loss 26.3 liter(s)
- Boil time 90 min
- Evaporation rate 10 %/h
- Boil size 33.1 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg Mash size 15 liter(s)
- Total mash volume 20 liter(s)

Steps

- Temp 61 C, Time 10 min
 Temp 45 C, Time 71 min
- Temp **75** C, Time **10** min

Mash step by step

- Heat up 15 liter(s) of strike water to 49.2C
- Add grains
- Keep mash 71 min at 45C
- Keep mash 10 min at 61C
- Keep mash 10 min at 75C
- Sparge using 23.1 liter(s) of 76C water or to achieve 33.1 liter(s) of wort

Fermentables

| Туре | Name | Amount | Yield | EBC |
|-------|---------------------|--------------------|-------|-----|
| Grain | Strzegom Pilzneński | 5 kg <i>(100%)</i> | 80 % | 4 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil | Marynka | 37 g | 90 min | 8.2 % |
| Boil | Lublin (Lubelski) | 50 g | 45 min | 3.3 % |
| Boil | Lublin (Lubelski) | 16 g | 10 min | 3.3 % |