

Wee Heavy

- Gravity **18.9 BLG**
- ABV ---
- IBU **33**
- SRM **15.1**
- Style **Scottish Heavy 70/-**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **10 %**
- Size with trub loss **16.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **19 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **12.1 liter(s)**
- Total mash volume **16.9 liter(s)**

Steps

- Temp **67.7 C**, Time **60 min**

Mash step by step

- Heat up **12.1 liter(s)** of strike water to **77.2C**
- Add grains
- Keep mash **60 min** at **67.7C**
- Sparge using **11.7 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------------|-----------------|-------|------|
| Grain | Simpsons - Golden Promise | 4.75 kg (98.5%) | 81 % | 4 |
| Grain | Simpsons - Roasted Barley | 0.07 kg (1.5%) | 70 % | 1084 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------------|--------|--------|------------|
| Boil | Kent Goldings | 50 g | 60 min | 5.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|----------------------|------|--------|--------|------------------|
| FM12 W szkocką kratę | Ale | Liquid | 100 ml | Fermentum Mobile |