

COFFE BROWN ALE

- Gravity **15.2 BLG**
- ABV ---
- IBU **15**
- SRM **35.1**
- Style **Northern English Brown Ale**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **13.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **9 liter(s)**
- Total mash volume **12 liter(s)**

Steps

- Temp **68 C**, Time **45 min**
- Temp **71 C**, Time **45 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **9 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **45 min** at **68C**
- Keep mash **45 min** at **71C**
- Keep mash **10 min** at **78C**
- Sparge using **7.2 liter(s)** of **76C** water or to achieve **13.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|----------------|--------|------|
| Grain | Strzegom Pale Ale | 1.5 kg (50%) | 79 % | 6 |
| Grain | Strzegom Monachijski typ I | 1 kg (33.3%) | 79 % | 16 |
| Grain | Słód Crystal 160 | 0.25 kg (8.3%) | 73.5 % | 160 |
| Grain | castlemelting black | 0.05 kg (1.7%) | 72 % | 1350 |
| Grain | Słód Kawowy 500 EBC | 0.2 kg (6.7%) | 75.5 % | 420 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|----------|------------|
| Boil | Lublin (Lubelski) | 5 g | 60 min | 4 % |
| Boil | Marynka | 5 g | 60 min | 10 % |
| Dry Hop | Lublin (Lubelski) | 15 g | 4 day(s) | 4 % |
| Dry Hop | Marynka | 10 g | 4 day(s) | 10 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|------------------------------------|-----|-----|-----|-----|
| Mangrove Jack's M03 UK Dark Ale | Ale | Dry | 4 g | --- |
|------------------------------------|-----|-----|-----|-----|

Extras

| Type | Name | Amount | Use for | Time |
|--------|---------|--------|-----------|----------|
| Flavor | kawa | 50 g | Secondary | 4 day(s) |
| Other | laktoza | 150 g | Bottling | --- |